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**PATENT APPLICATION**  
**ASST. COMMISSIONER FOR PATENTS**  
**Washington, D. C. 20231**

Sir:

Transmitted herewith for filing is the

- ☐ patent application of
- ☐ design patent application of
- ☒ continuation-in-part patent application of

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By T. Smith

Inventor(s): **David A. Ruddy and Roger K. Wolff**

For: **Polymorphisms in the REgion of the Human Hemochromatosis Gene**

☒ This application claims priority from each of the following Application Nos./filing dates:  
08/724,394 / 10-01-96 ; 08/630,912 / 04-04-96 ; 08/652,265 / 05-23-96

☐ Please amend this application by adding the following before the first sentence: --This application claims the benefit of U.S. Provisional Application No. 60/\_\_\_\_\_, filed \_\_\_\_\_, the disclosure of which is incorporated by reference.--

Enclosed are:

- ☒ 147 sheet(s) of ☒ formal ☐ informal drawing(s).
- ☐ An assignment of the invention to \_\_\_\_\_
- ☒ A ☐ signed ☒ unsigned Declaration & Power of Attorney.
- ☐ A ☐ signed ☐ unsigned Declaration.
- ☐ A Power of Attorney.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27 ☐ is enclosed ☐ was filed in the earliest of the above-identified patent application(s).
- ☐ A certified copy of a \_\_\_\_\_ application.
- ☐ Information Disclosure Statement under 37 CFR 1.97.
- ☐ A petition to extend time to respond in the parent application of this continuation-in-part application.
- ☐

In view of the Unsigned Declaration as filed with this application and pursuant to 37 CFR §1.53(d), Applicant requests deferral of the filing fee until submission of the Missing Parts of Application.

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APPROFEE.TRN 11/96

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APPNOFEE.TRN 11/96

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**PATENT APPLICATION  
FOR  
Polymorphisms in the Region of the Human  
Hemochromatosis Gene**

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**Polymorphisms in the Region of the Human  
Hemochromatosis Gene**

This application is a continuation-in-part of U.S. Patent Application Serial No. 08/724,394, filed October 1, 1996, which is a continuation-in-part of U.S. Patent Application Serial No. 08/630,912, filed April 4, 1996, and U.S. Patent Application Serial No. 08/652,265, filed May 23, 1996, which are herein incorporated by reference in their entirety for all purposes.

**BACKGROUND OF THE INVENTION**

Hereditary hemochromatosis (HH) is an inherited disorder of iron metabolism wherein the body accumulates excess iron. In symptomatic individuals, this excess iron leads to deleterious effects by being deposited in a variety of organs leading to their failure, and resulting in cirrhosis, diabetes, sterility, and other serious illnesses. The gene which is defective in this disease was disclosed in copending U.S.S.N. 08/652,265.

HH is typically inherited as a recessive trait; in the current state of knowledge, homozygotes carrying two defective copies of the gene are most frequently affected by the disease. In addition, heterozygotes for the HH gene are more susceptible to sporadic porphyria cutanea tarda and potentially other disorders (Roberts et al., Lancet 349:321-323 (1997)). It is estimated that approximately 10-15% of individuals of Northern European descent carry one copy of the HH gene mutation and that there are about one million homozygotes in the United States. HH, thus, represents one of the most common genetic disease mutations in individuals of Northern European descent. Although ultimately HH produces debilitating symptoms, the majority of homozygotes and heterozygotes have not been diagnosed.



The need for such diagnostics is documented, for example, in Barton, J.C. et al. Nature Medicine 2:394-395 (1996); Finch, C.A. West J Med 153:323-325 (1990); McCusick, V. Mendelian Inheritance in Man pp. 1882-1887, 11th ed., (Johns Hopkins University Press, Baltimore (1994)); Report of a Joint World Health Organization/Hemochromatosis Foundation/French Hemochromatosis Association Meeting on the Prevention and Control of Hemochromatosis (1993); Edwards, C.Q. et al. New Engl J Med 328:1616-1620 (1993); Bacon, B.R. New Engl J Med 326:126-127 (1992); Balan, V. et al. Gastroenterology 107:453-459 (1994); Phatak, P.D. et al. Arch Int Med 154:769-776 (1994).

A single mutation in the HH gene, designated 24d1 in copending U.S.S.N. 08/630,912, gave rise to the majority of disease-causing chromosomes present in the population today. This is referred to herein as the "common" or "ancestral" or "common ancestral" mutation. These terms are used interchangeably. It appears that about 80% to 90% of all HH patients carry at least one copy of the common ancestral mutation which is closely linked to specific alleles of certain genetic markers close to this ancestral HH gene defect. These markers are, as a first approximation, in the allelic form in which they were present at the time the ancestral HH mutation occurred. See, for example, Simon, M. et al. Am J Hum Genet 41:89-105 (1987); Jazwinska, E.C. et al. Am J Hum Genet 53:242-257 (1993); Jazwinska, E.C. et al. Am J Hum Genet 56:428-433 (1995); Worwood, M. et al. Brit J Hematol 86:863-866 (1994); Summers, K.M. et al. Am J Hum Genet 45:41-48 (1989).

Several polymorphic markers in the HH region have been described and shown to have alleles that are associated with HH disease. These markers include the published microsatellite markers D6S258, D6S306 (Gyapay, G. et al. Nature Genetics 7:246-339 (1994)), D6S265 (Worwood, M. et al. Brit J Hematol 86:833-846 (1994)), D6S105 (Jazwinska, E.C. et al. Am J Hum Genet 53:242-257 (1993); Jazwinska, E.C. et al. Am J Hum Genet 56:428-433 (1995)), D6S1001 (Stone, C. et al. Hum Molec Genet 3:2043-2046 (1994)), D6S1260 (Raha-Chowdhury

et al. Hum Molec Genet 4:1869-1874 (1995)) as well as additional microsatellite and single-nucleotide-polymorphism markers disclosed in co-pending PCT application WO 96/06583, the disclosure of which is hereby incorporated by reference in its entirety. Additionally, copending U.S.S.N. 08/630,912 disclosed additional markers 24d2 and 24d7.

The symptoms of HH are often similar to those of other conditions, and the severe effects of the disease often do not appear immediately. Accordingly, it would be desirable to provide a method to identify persons who may be destined to become symptomatic in order to intervene in time to prevent excessive tissue damage associated with iron overload. One reason for the lack of early diagnosis is the inadequacy of presently available diagnostic methods to ascertain which individuals are at risk, especially while such individuals are presymptomatic.

Although blood iron parameters can be used as a screening tool, a confirmed diagnosis often employs liver biopsy which is undesirably invasive, costly, and carries a risk of mortality. Thus, there is a clear need for the development of an inexpensive and noninvasive diagnostic test for detection of homozygotes and heterozygotes in order to facilitate diagnosis in symptomatic individuals, provide presymptomatic detection to guide intervention in order to prevent organ damage, and for identification of heterozygote carriers.

#### SUMMARY OF THE INVENTION

One aspect of the invention is an oligonucleotide comprising at least 8 to about 100 consecutive bases from the sequence of Figure 1 or Figure 2, or the complement of the sequence, wherein the at least 8 to about 100 consecutive bases includes at least one polymorphic site of Table 1.

Another aspect of the invention is an oligonucleotide pair selected from the sequence of Figure 1 or Figure 2 or its complement for amplification of a polymorphic site of Table 1.

Another aspect of the invention is an isolated nucleic acid molecule comprising about 100 consecutive bases to about 235 KB substantially identical to the sequence of Figure 1 or Figure 2, wherein the DNA molecule comprises at least one polymorphic site of Table 1.

Another aspect of the invention is a method to determine the presence or absence of the common hereditary hemochromatosis (HH) gene mutation in an individual comprising:

providing DNA or RNA from the individual; and assessing the DNA or RNA for the presence or absence of a haplotype of Table 1,

wherein, as a result, the absence of a haplotype of Table 1 indicates the likely absence of the HH gene mutation in the genome of the individual and the presence of the haplotype indicates the likely presence of the HH gene mutation in the genome of the individual.

Another aspect of the invention is a method to determine the presence or absence of the common hereditary hemochromatosis (HH) gene mutation in an individual comprising:

providing DNA or RNA from the individual; and assessing the DNA or RNA for the presence or absence of a genotype defined by a polymorphic allele of Table 1,

wherein, as a result, the absence of a genotype defined by a polymorphic allele of Table 1 indicates the likely absence of the HH gene mutation in the genome of the individual and the presence of the genotype indicates the likely presence of the HH gene mutation in the genome of the individual.

Another aspect of the invention is a culture of lymphoblastoid cells having the designation HC14.

#### BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 depicts the nucleotide sequence of approximately 235 KB in the HH subregion from an unaffected individual.

Figure 2 depicts the nucleotide sequence of approximately 235 KB in the HH subregion from an affected individual.

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## DETAILED DESCRIPTION

### A. Definitions

Abbreviations for the twenty naturally occurring amino acids follow conventional usage. In the polypeptide notation used herein, the left-hand direction is the amino terminal direction and the right-hand direction is the carboxyl-terminal direction, in accordance with standard usage and convention. Similarly, unless specified otherwise, the left hand end of single-stranded polynucleotide sequences is the 5' end; the left hand direction of double-stranded polynucleotide sequences is referred to as the 5' direction. The direction of 5' to 3' addition of nascent RNA transcripts is referred to as the transcription direction; sequence regions on the DNA strand having the same sequence as the RNA and which are 5' to the 5' end of the RNA transcript are referred to as "upstream sequences"; sequence regions on the DNA strand having the same sequence as the RNA and which are 3' to the 3' end of the RNA transcript are referred to as "downstream sequences".

The term "nucleic acids", as used herein, refers to either DNA or RNA. "Nucleic acid sequence" or "polynucleotide sequence" refers to a single- or double-stranded polymer of deoxyribonucleotide or ribonucleotide bases read from the 5' to the 3' end. It includes both self-replicating plasmids, infectious polymers of DNA or RNA and nonfunctional DNA or RNA. The complement of any nucleic acid sequence of the invention is understood to be included in the definition of that sequence.

"Nucleic acid probes" may be DNA or RNA fragments. DNA fragments can be prepared, for example, by digesting plasmid DNA, or by use of PCR, or synthesized by either the phosphoramidite method described by Beaucage and Carruthers, Tetrahedron Lett. 22:1859-1862 (1981), or by the triester method according to Matteucci, *et al.*, J. Am. Chem. Soc.

103:3185 (1981), both incorporated herein by reference. A double stranded fragment may then be obtained, if desired, by annealing the chemically synthesized single strands together under appropriate conditions or by synthesizing the complementary strand using DNA polymerase with an appropriate primer sequence. Where a specific sequence for a nucleic acid probe is given, it is understood that the complementary strand is also identified and included. The complementary strand will work equally well in situations where the target is a double-stranded nucleic acid.

The phrase "selectively hybridizing to" refers to a nucleic acid probe that hybridizes, duplexes or binds only to a particular target DNA or RNA sequence when the target sequences are present in a preparation of total cellular DNA or RNA. "Complementary" or "target" nucleic acid sequences refer to those nucleic acid sequences which selectively hybridize to a nucleic acid probe. Proper annealing conditions depend, for example, upon a probe's length, base composition, and the number of mismatches and their position on the probe, and must often be determined empirically. For discussions of nucleic acid probe design and annealing conditions, see, for example, Sambrook et al., Molecular Cloning: a Laboratory Manual (2nd ed.), Vols. 1-3, Cold Spring Harbor Laboratory, (1989) or Current Protocols in Molecular Biology, F. Ausubel et al., ed. Greene Publishing and Wiley-Interscience, New York (1987).

The phrase "nucleic acid sequence encoding" refers to a nucleic acid which directs the expression of a specific protein or peptide. The nucleic acid sequences include both the DNA strand sequence that is transcribed into RNA and the RNA sequence that is translated into protein. The nucleic acid sequences include both the full length nucleic acid sequences as well as non-full length sequences derived from the full length protein. It being further understood that the sequence includes the degenerate codons of the native sequence or sequences which may be introduced to provide codon preference in a specific host cell.

The phrase "isolated" or "substantially pure" refers to nucleic acid preparations that lack at least one protein or nucleic acid normally associated with the nucleic acid in a host cell.

5       The phrase "expression cassette", refers to nucleotide sequences which are capable of affecting expression of a structural gene in hosts compatible with such sequences. Such cassettes include at least promoters and optionally, transcription termination signals. Additional factors  
10       necessary or helpful in effecting expression may also be used as described herein.

      The term "operably linked" as used herein refers to linkage of a promoter upstream from a DNA sequence such that the promoter mediates transcription of the DNA sequence.

15       The term "vector", refers to viral expression systems, autonomous self-replicating circular DNA (plasmids), and includes both expression and nonexpression plasmids. Where a recombinant microorganism or cell culture is described as hosting an "expression vector," this includes both  
20       extrachromosomal circular DNA and DNA that has been incorporated into the host chromosome(s). Where a vector is being maintained by a host cell, the vector may either be stably replicated by the cells during mitosis as an autonomous structure, or is incorporated within the host's genome.

25       The term "gene" as used herein is intended to refer to a nucleic acid sequence which encodes a polypeptide. This definition includes various sequence polymorphisms, mutations, and/or sequence variants wherein such alterations do not affect the function of the gene product. The term "gene" is  
30       intended to include not only coding sequences but also regulatory regions such as promoters, enhancers, and termination regions. The term further includes all introns and other DNA sequences spliced from the mRNA transcript, along with variants resulting from alternative splice sites.

35       The term "plasmid" refers to an autonomous circular DNA molecule capable of replication in a cell, and includes both the expression and nonexpression types. Where a recombinant microorganism or cell culture is described as

hosting an "expression plasmid", this includes both extrachromosomal circular DNA molecules and DNA that has been incorporated into the host chromosome(s). Where a plasmid is being maintained by a host cell, the plasmid is either being stably replicated by the cells during mitosis as an autonomous structure or is incorporated within the host's genome.

The phrase "recombinant protein" or "recombinantly produced protein" refers to a peptide or protein produced using non-native cells that do not have an endogenous copy of DNA able to express the protein. The cells produce the protein because they have been genetically altered by the introduction of the appropriate nucleic acid sequence. The recombinant protein will not be found in association with proteins and other subcellular components normally associated with the cells producing the protein. The terms "protein" and "polypeptide" are used interchangeably herein.

The following terms are used to describe the sequence relationships between two or more nucleic acids or polynucleotides: "reference sequence", "comparison window", "sequence identity", "percentage of sequence identity", and "substantial identity". A "reference sequence" is a defined sequence used as a basis for a sequence comparison; a reference sequence may be a subset of a larger sequence, for example, as a segment of a full-length cDNA or gene sequence given in a sequence listing, or may comprise a complete cDNA or gene sequence.

Optimal alignment of sequences for aligning a comparison window may, for example, be conducted by the local homology algorithm of Smith and Waterman Adv. Appl. Math. 2:482 (1981), by the homology alignment algorithm of Needleman and Wunsch J. Mol. Biol. 48:443 (1970), by the search for similarity method of Pearson and Lipman Proc. Natl. Acad. Sci. U.S.A. 85:2444 (1988), or by computerized implementations of these algorithms (for example, GAP, BESTFIT, FASTA, and TFASTA in the Wisconsin Genetics Software Package Release 7.0, Genetics Computer Group, 575 Science Dr., Madison, WI).

The terms "substantial identity" or "substantial sequence identity" as applied to nucleic acid sequences and as

used herein and denote a characteristic of a polynucleotide sequence, wherein the polynucleotide comprises a sequence that has at least 85 percent sequence identity, preferably at least 90 to 95 percent sequence identity, and more preferably at least 99 percent sequence identity as compared to a reference sequence over a comparison window of at least 20 nucleotide positions, frequently over a window of at least 25-50 nucleotides, wherein the percentage of sequence identity is calculated by comparing the reference sequence to the polynucleotide sequence which may include deletions or additions which total 20 percent or less of the reference sequence over the window of comparison. The reference sequence may be a subset of a larger sequence.

As applied to polypeptides, the terms "substantial identity" or "substantial sequence identity" mean that two peptide sequences, when optimally aligned, such as by the programs GAP or BESTFIT using default gap weights, share at least 80 percent sequence identity, preferably at least 90 percent sequence identity, more preferably at least 95 percent sequence identity or more. "Percentage amino acid identity" or "percentage amino acid sequence identity" refers to a comparison of the amino acids of two polypeptides which, when optimally aligned, have approximately the designated percentage of the same amino acids. For example, "95% amino acid identity" refers to a comparison of the amino acids of two polypeptides which when optimally aligned have 95% amino acid identity. Preferably, residue positions which are not identical differ by conservative amino acid substitutions. For example, the substitution of amino acids having similar chemical properties such as charge or polarity are not likely to effect the properties of a protein. Examples include glutamine for asparagine or glutamic acid for aspartic acid.

The phrase "substantially purified" or "isolated" when referring to a peptide or protein, means a chemical composition which is essentially free of other cellular components. It is preferably in a homogeneous state although it can be in either a dry or aqueous solution. Purity and homogeneity are typically determined using analytical



chemistry techniques such as polyacrylamide gel electrophoresis or high performance liquid chromatography. A protein which is the predominant species present in a preparation is substantially purified. Generally, a substantially purified or isolated protein will comprise more than 80% of all macromolecular species present in the preparation. Preferably, the protein is purified to represent greater than 90% of all macromolecular species present. More preferably the protein is purified to greater than 95%, and most preferably the protein is purified to essential homogeneity, wherein other macromolecular species are not detected by conventional techniques.

The phrase "specifically binds to an antibody" or "specifically immunoreactive with", when referring to a protein or peptide, refers to a binding reaction which is determinative of the presence of the protein in the presence of a heterogeneous population of proteins and other biologies. Thus, under designated immunoassay conditions, the specified antibodies bind to a particular protein and do not bind in a significant amount to other proteins present in the sample. Specific binding to an antibody under such conditions may require an antibody that is selected for its specificity for a particular protein. A variety of immunoassay formats may be used to select antibodies specifically immunoreactive with a particular protein. For example, solid-phase ELISA immunoassays are routinely used to select monoclonal antibodies specifically immunoreactive with a protein. See Harlow and Lane (1988) Antibodies, a Laboratory Manual, Cold Spring Harbor Publications, New York, for a description of immunoassay formats and conditions that can be used to determine specific immunoreactivity.

As used herein, "EST" or "Expressed Sequence Tag " refers to a partial DNA or cDNA sequence of about 150 to 500, more preferably about 300, sequential nucleotides of a longer sequence obtained from a genomic or cDNA library prepared from a selected cell, cell type, tissue or tissue type, or organisms which longer sequence corresponds to an mRNA or a gene found in that library. An EST is generally DNA. One or

more libraries made from a single tissue type typically provide at least 3000 different (i.e. unique) EST's and potentially the full complement of all possible EST's representing all possible cDNAs, e.g., 50,000 - 100,000 in an animal such as a human. (See, for example, Adams et al. Science 252:1651-1656 (1991)).

"Stringent" as used herein refers to hybridization and wash conditions of 50% formamide at 42°C. Other stringent hybridization conditions may also be selected. Generally, stringent conditions are selected to be about 5° C lower than the thermal melting point (T<sub>m</sub>) for the specific sequence at a defined ionic strength and pH. The T<sub>m</sub> is the temperature (under defined ionic strength and pH) at which 50% of the target sequence hybridizes to a perfectly matched probe. Typically, stringent conditions will be those in which the salt concentration is at least about 0.02 molar at pH 7 and the temperature is at least about 60°C. As other factors may significantly affect the stringency of hybridization, including, among others, base composition and size of the complementary strands, the presence of organic solvents and the extent of base mismatching, the combination of parameters is more important than the absolute measure of any one.

#### B. Polymorphic Markers

The invention provides 397 new polymorphic sites in the region of the HH gene. These polymorphisms are listed in Table 1. As described below, these polymorphisms were identified by comparison of the DNA sequence of an affected individual homozygous for the common ancestral HH mutation with that of an unaffected individual disclosed in copending U.S. 08/724,394.

These polymorphisms provide surrogate markers for use in diagnostic assays to detect the likely presence of the mutations 24d1 and/or 24d2, in preferably 24d1, in homozygotes or heterozygotes. Thus, for example, DNA or RNA from an individual is assessed for the presence or absence of a genotype defined by a polymorphic allele of Table 1, wherein, as a result, the absence of a genotype defined by a

polymorphic allele of Table 1 indicates the likely absence of the HH gene mutation in the genome of the individual and the presence of the genotype indicates the likely presence of the HH gene mutation in the genome of the individual.

These markers may be used singly, in combination with each other, or with other polymorphic markers (such as those disclosed in co-pending PCT application WO 96/06583) in diagnostic assays for the likely presence of the HH gene mutation in an individual. For example, any of the markers defined by the polymorphic sites of Table 1 can be used in diagnostic assays in combination with 24d1 or 24d2, or at least one of polymorphisms HHP-1, HHP-19, or HHP-29, or microsatellite repeat alleles 19D9:205; 18B4:235; 1A2:239; 1E4:271; 24E2:245; 2B8:206; 3321-1:98; 4073-1:182; 4440-1:180; 4440-2:139; 731-1:177; 5091-1:148; 3216-1:221; 4072-2:170; 950-1:142; 950-2:164; 950-3:165; 950-4:128; 950-6:151; 950-8:137; 63-1:151; 63-2:113; 63-3:169; 65-1:206; 65-2:159; 68-1:167; 241-5:108; 241-29:113; 373-8:151; and 373-29:113, D6S258:199, D6S265:122, D6S105:124; D6S306:238; D6S464:206; and D6S1001:180.

Table 2 lists the frequency of about 100 of the alleles defined by the polymorphic sites of the invention in the general population. As is evident from the Table, certain of these alleles are present rarely in the general population. These polymorphisms are thus preferred as surrogate markers in diagnostic assays for the presence of a mutant HH allele ("gene mutation") such as 24d1 or 24d2. Preferably, the frequency of the polymorphic allele used in the diagnostic assay in the general population is less than about 50%, more preferably less than about 25%, and most preferably less than about 5%. Thus, of the genotypes defined by the alleles listed in Table II, polymorphisms occurring at base 35983 and base 61465 of Figure 1 are preferred.

It will be understood by those of skill in the art that because they were identified in an ancestral HH homozygote, the haplotypes defined by the polymorphic sites of Table 1 are predictive of the likely presence of the HH gene mutation 24d1. Thus, for example, the likelihood of any

affected individual having at least two or more of any of the polymorphic alleles defined by Table 1 is greater than that for any unaffected individual. Similarly, the likelihood of any affected individual having at least three or more of any of the polymorphic alleles defined by Table 1 is greater than that for any unaffected individual.

Thus, for example, in a diagnostic assay for the likely presence of the HH gene mutation in the genome of the individual, DNA or RNA from the individual is assessed for the presence or absence of a haplotype of Table 1, wherein, as a result, the absence of a haplotype of Table 1 indicates the likely absence of the HH gene mutation in the genome of the individual and the presence of the haplotype indicates the likely presence of the HH gene mutation in the genome of the individual.

The markers defined by the polymorphic sites of Table 1 are additionally useful as markers for genetic analysis of the inheritance of certain HH alleles and other genes which occur within the chromosomal region corresponding to the sequence of Figure 1 which include, for example, those disclosed in copending U.S.S.N. 08/724,394.

As the entire nucleotide sequence of the region is provided in Figure 1, it will be evident to those of ordinary skill in the art which sequences to use as primers or probes for detecting each polymorphism of interest. Thus, in some embodiments of the invention, the nucleotide sequences of the invention include at least one oligonucleotide pair selected from the sequence of Figure 1 or Figure 2 or its complement for amplification of a polymorphic site of Table 1.

Furthermore, in some embodiments of the invention a preferred hybridization probe is an oligonucleotide comprising at least 8 to about 100 consecutive bases from the sequence of Figure 1 or Figure 2, or the complement of the sequence, wherein the at least 8 to about 100 consecutive bases includes at least one polymorphic site of Table 1. In some embodiments the polymorphic site is at base 35983 or base 61465 of Figure 1.

It will also be appreciated that the nucleic acid sequences of the invention include isolated nucleic acid

molecules comprising about 100 consecutive bases to about 235 KB substantially identical to the sequence of Figure 1 or Figure 2, wherein the DNA molecule comprises at least one polymorphic site of Table 1. Such isolated DNA sequences are useful as primers, probes, or as the component of a kit in diagnostic assays for detecting the likely presence of the HH gene mutation in an individual.

### C. Nucleic Acid Based Screening

Individuals carrying polymorphic alleles of the invention may be detected at either the DNA, the RNA, or the protein level using a variety of techniques that are well known in the art. The genomic DNA used for the diagnosis may be obtained from body cells, such as those present in peripheral blood, urine, saliva, bucca, surgical specimen, and autopsy specimens. The DNA may be used directly or may be amplified enzymatically *in vitro* through use of PCR (Saiki et al. Science 239:487-491 (1988)) or other *in vitro* amplification methods such as the ligase chain reaction (LCR) (Wu and Wallace Genomics 4:560-569 (1989)), strand displacement amplification (SDA) (Walker et al. Proc. Natl. Acad. Sci. U.S.A. 89:392-396 (1992)), self-sustained sequence replication (3SR) (Fahy et al. PCR Methods Appl. 1:25-33 (1992)), prior to mutation analysis. The methodology for preparing nucleic acids in a form that is suitable for mutation detection is well known in the art.

The detection of polymorphisms in specific DNA sequences, such as in the region of the HH gene, can be accomplished by a variety of methods including, but not limited to, restriction-fragment-length-polymorphism detection based on allele-specific restriction-endonuclease cleavage (Kan and Dozy Lancet ii:910-912 (1978)), hybridization with allele-specific oligonucleotide probes (Wallace et al. Nucl Acids Res 6:3543-3557 (1978)), including immobilized oligonucleotides (Saiki et al. Proc. Natl. Acad. Sci. U.S.A. 86:6230-6234 (1989)) or oligonucleotide arrays (Maskos and Southern Nucl Acids Res 21:2269-2270 (1993)), allele-specific PCR (Newton et al. Nucl Acids Res 17:2503-2516 (1989)),

mismatch-repair detection (MRD) (Faham and Cox Genome Res 5:474-482 (1995)), binding of MutS protein (Wagner et al. Nucl Acids Res 23:3944-3948 (1995), denaturing-gradient gel electrophoresis (DGGE) (Fisher and Lerman et al. Proc. Natl. Acad. Sci. U.S.A. 80:1579-1583 (1983)), single-strand-conformation-polymorphism detection (Orita et al. Genomics 5:874-879 (1983)), RNAase cleavage at mismatched base-pairs (Myers et al. Science 230:1242 (1985)), chemical (Cotton et al. Proc. Natl. Acad. Sci. U.S.A. 85:4397-4401 (1988)) or enzymatic (Youil et al. Proc. Natl. Acad. Sci. U.S.A. 92:87-91 (1995)) cleavage of heteroduplex DNA, methods based on allele specific primer extension (Syvänen et al. Genomics 8:684-692 (1990)), genetic bit analysis (GBA) (Nikiforov et al. Nucl Acids Res 22:4167-4175 (1994)), the oligonucleotide-ligation assay (OLA) (Landegren et al. Science 241:1077 (1988)), the allele-specific ligation chain reaction (LCR) (Barrany Proc. Natl. Acad. Sci. U.S.A. 88:189-193 (1991)), gap-LCR (Abravaya et al. Nucl Acids Res 23:675-682 (1995)), radioactive and/or fluorescent DNA sequencing using standard procedures well known in the art, and peptide nucleic acid (PNA) assays (Orum et al., Nucl. Acids Res. 21:5332-5356 (1993); Thiede et al., Nucl. Acids Res. 24:983-984 (1996)).

In addition to the genotypes defined by the polymorphisms of the invention, as described in co-pending PCT application WO 96/35802 published November 14, 1996, genotypes characterized by the presence of the alleles 19D9:205; 18B4:235; 1A2:239; 1E4:271; 24E2:245; 2B8:206; 3321-1:98 (denoted 3321-1:197 therein); 4073-1:182; 4440-1:180; 4440-2:139; 731-1:177; 5091-1:148; 3216-1:221; 4072-2:170 (denoted 4072-2:148 therein); 950-1:142; 950-2:164; 950-3:165; 950-4:128; 950-6:151; 950-8:137; 63-1:151; 63-2:113; 63-3:169; 65-1:206; 65-2:159; 68-1:167; 241-5:108; 241-29:113; 373-8:151; and 373-29:113, alleles D6S258:199, D6S265:122, D6S105:124, D6S306:238, D6S464:206; and D6S1001:180, and/or alleles associates with the HHP-1, the HHP-19 or HHP-29 single base-pair polymorphisms can also be used to assist in the identification of an individual whose genome contains 24d1 and/or 24d2. For example, the assessing step can be performed

by a process which comprises subjecting the DNA or RNA to amplification using oligonucleotide primers flanking a polymorphism of Table 1, and oligonucleotides flanking 24d1 and/or 24d2, oligonucleotide primers flanking at least one of the base-pair polymorphisms HHP-1, HHP-19, and HHP-29, oligonucleotide primers flanking at least one of the microsatellite repeat alleles, or oligonucleotide primers for any combination of polymorphisms or microsatellite repeat alleles thereof.

Oligonucleotides useful in diagnostic assays are typically at least 8 consecutive nucleotides in length, and may range upwards of 18 nucleotides in length to greater than 100 or more consecutive nucleotides. Such oligonucleotides can be derived from either the genomic DNA of Figure 1 or 2, or cDNA sequences derived therefrom, or may be synthesized.

Additionally, the proteins encoded by such cDNAs are useful in the generation of antibodies for analysis of gene expression and in diagnostic assays, and in the purification of related proteins.

#### D. General Methods

The nucleic acid compositions of this invention, whether RNA, cDNA, genomic DNA, or a hybrid of the various combinations, may be isolated from natural sources, including cloned DNA, or may be synthesized *in vitro*. The nucleic acids claimed may be present in transformed or transfected whole cells, in a transformed or transfected cell lysate, or in a partially purified or substantially pure form.

Techniques for nucleic acid manipulation of the nucleic acid sequences of the invention such as subcloning nucleic acid sequences encoding polypeptides into expression vectors, labeling probes, DNA hybridization, and the like are described generally in Sambrook et al., Molecular Cloning - a Laboratory Manual (2nd Ed.), Vol. 1-3, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York, (1989), which is incorporated herein by reference. This manual is hereinafter referred to as "Sambrook et al."

There are various methods of isolating the nucleic acid sequences of the invention. For example, DNA is isolated from a genomic or cDNA library using labeled oligonucleotide probes having sequences complementary to the sequences disclosed herein. Such probes can be used directly in hybridization assays. Alternatively probes can be designed for use in amplification techniques such as PCR.

To prepare a cDNA library, mRNA is isolated from tissue such as heart or pancreas, preferably a tissue wherein expression of the gene or gene family is likely to occur. cDNA is prepared from the mRNA and ligated into a recombinant vector. The vector is transfected into a recombinant host for propagation, screening and cloning. Methods for making and screening cDNA libraries are well known. See Gubler, U. and Hoffman, B.J. Gene 25:263-269 (1983) and Sambrook et al.

For a genomic library, for example, the DNA is extracted from tissue and either mechanically sheared or enzymatically digested to yield fragments of about 12-20 KB. The fragments are then separated by gradient centrifugation from undesired sizes and are constructed in bacteriophage lambda vectors. These vectors and phage are packaged *in vitro*, as described in Sambrook, et al. Recombinant phage are analyzed by plaque hybridization as described in Benton and Davis, Science 196:180-182 (1977). Colony hybridization is carried out as generally described in M. Grunstein et al. Proc. Natl. Acad. Sci. USA. 72:3961-3965 (1975).

DNA of interest is identified in either cDNA or genomic libraries by its ability to hybridize with nucleic acid probes, for example on Southern blots, and these DNA regions are isolated by standard methods familiar to those of skill in the art. See Sambrook, et al.

In PCR techniques, oligonucleotide primers complementary to the two 3' borders of the DNA region to be amplified are synthesized. The polymerase chain reaction is then carried out using the two primers. See PCR Protocols: a Guide to Methods and Applications (Innis, M, Gelfand, D., Sninsky, J. and White, T., eds.), Academic Press, San Diego (1990). Primers can be selected to amplify the entire regions



encoding a full-length sequence of interest or to amplify smaller DNA segments as desired.

PCR can be used in a variety of protocols to isolate cDNA's encoding a sequence of interest. In these protocols, appropriate primers and probes for amplifying DNA encoding a sequence of interest are generated from analysis of the DNA sequences listed herein. Once such regions are PCR-amplified, they can be sequenced and oligonucleotide probes can be prepared from sequence obtained.

Oligonucleotides for use as primers or probes are chemically synthesized according to the solid phase phosphoramidite triester method first described by Beaucage, S.L. and Carruthers, M.H., Tetrahedron Lett., 22(20):1859-1862 (1981) using an automated synthesizer, as described in Needham-VanDevanter, D.R., et al., Nucleic Acids Res. 12:6159-6168 (1984). Purification of oligonucleotides is by either native acrylamide gel electrophoresis or by anion-exchange HPLC as described in Pearson, J.D. and Regnier, F.E., J. Chrom., 255:137-149 (1983). The sequence of the synthetic oligonucleotide can be verified using the chemical degradation method of Maxam, A.M. and Gilbert, W., in Grossman, L. and Moldave, D., eds. Academic Press, New York, Methods in Enzymology 65:499-560 (1980).

#### E. Expression

Once DNA encoding a sequence of interest is isolated and cloned, one can express the encoded proteins in a variety of recombinantly engineered cells. It is expected that those of skill in the art are knowledgeable in the numerous expression systems available for expression of DNA encoding a sequence of interest. No attempt to describe in detail the various methods known for the expression of proteins in prokaryotes or eukaryotes is made here.

In brief summary, the expression of natural or synthetic nucleic acids encoding a sequence of interest will typically be achieved by operably linking the DNA or cDNA to a promoter (which is either constitutive or inducible), followed by incorporation into an expression vector. The vectors can

be suitable for replication and integration in either prokaryotes or eukaryotes. Typical expression vectors contain transcription and translation terminators, initiation sequences, and promoters useful for regulation of the expression of polynucleotide sequence of interest. To obtain high level expression of a cloned gene, it is desirable to construct expression plasmids which contain, at the minimum, a strong promoter to direct transcription, a ribosome binding site for translational initiation, and a transcription/translation terminator. The expression vectors may also comprise generic expression cassettes containing at least one independent terminator sequence, sequences permitting replication of the plasmid in both eukaryotes and prokaryotes, *i.e.*, shuttle vectors, and selection markers for both prokaryotic and eukaryotic systems. See Sambrook *et al.* Examples of expression of ATP-sensitive potassium channel proteins in both prokaryotic and eukaryotic systems are described below.

#### 1. Expression in Prokaryotes

A variety of procaryotic expression systems may be used to express the proteins of the invention. Examples include *E. coli*, *Bacillus*, *Streptomyces*, and the like.

It is preferred to construct expression plasmids which contain, at the minimum, a strong promoter to direct transcription, a ribosome binding site for translational initiation, and a transcription/translation terminator. Examples of regulatory regions suitable for this purpose in *E. coli* are the promoter and operator region of the *E. coli* tryptophan biosynthetic pathway as described by Yanofsky, C., J. Bacteriol. 158:1018-1024 (1984) and the leftward promoter of phage lambda ( $\lambda$ ) as described by Herskowitz, I. and Hagen, D., Ann. Rev. Genet. 14:399-445 (1980). The inclusion of selection markers in DNA vectors transformed in *E. coli* is also useful. Examples of such markers include genes specifying resistance to ampicillin, tetracycline, or chloramphenicol. See Sambrook *et al.* for details concerning selection markers for use in *E. coli*.

To enhance proper folding of the expressed recombinant protein, during purification from *E. coli*, the expressed protein may first be denatured and then renatured. This can be accomplished by solubilizing the bacterially produced proteins in a chaotropic agent such as guanidine HCl and reducing all the cysteine residues with a reducing agent such as beta-mercaptoethanol. The protein is then renatured, either by slow dialysis or by gel filtration. See U.S. Patent No. 4,511,503.

Detection of the expressed antigen is achieved by methods known in the art as radioimmunoassay, or Western blotting techniques or immunoprecipitation. Purification from *E. coli* can be achieved following procedures such as those described in U.S. Patent No. 4,511,503.

## 2. Expression in Eukaryotes

A variety of eukaryotic expression systems such as yeast, insect cell lines, bird, fish, and mammalian cells, are known to those of skill in the art. As explained briefly below, a sequence of interest may be expressed in these eukaryotic systems.

Synthesis of heterologous proteins in yeast is well known. Methods in Yeast Genetics, Sherman, F., et al., Cold Spring Harbor Laboratory, (1982) is a well recognized work describing the various methods available to produce the protein in yeast.

Suitable vectors usually have expression control sequences, such as promoters, including 3-phosphoglycerate kinase or other glycolytic enzymes, and an origin of replication, termination sequences and the like as desired. For instance, suitable vectors are described in the literature (Botstein, et al., Gene 8:17-24 (1979); Broach, et al., Gene 8:121-133 (1979)).

Two procedures are used in transforming yeast cells. In one case, yeast cells are first converted into protoplasts using zymolyase, lyticase or glucanase, followed by addition of DNA and polyethylene glycol (PEG). The PEG-treated protoplasts are then regenerated in a 3% agar medium under

selective conditions. Details of this procedure are given in the papers by J.D. Beggs, Nature (London) 275:104-109 (1978); and Hinnen, a., et al., Proc. Natl. Acad. Sci. U.S.A. 75:1929-1933 (1978). The second procedure does not involve  
5 removal of the cell wall. Instead the cells are treated with lithium chloride or acetate and PEG and put on selective plates (Ito, H., et al., J. Bact. 153:163-168 (1983)).

The proteins of the invention, once expressed, can be isolated from yeast by lysing the cells and applying  
10 standard protein isolation techniques to the lysates. The monitoring of the purification process can be accomplished by using Western blot techniques or radioimmunoassay of other standard immunoassay techniques.

The sequences encoding the proteins of the invention  
15 can also be ligated to various expression vectors for use in transforming cell cultures of, for instance, mammalian, insect, bird or fish origin. Illustrative of cell cultures useful for the production of the polypeptides are mammalian cells. Mammalian cell systems often will be in the form of  
20 monolayers of cells although mammalian cell suspensions may also be used. A number of suitable host cell lines capable of expressing intact proteins have been developed in the art, and include the HEK293, BHK21, and CHO cell lines, and various human cells such as COS cell lines, HeLa cells, myeloma cell  
25 lines, Jurkat cells, etc. Expression vectors for these cells can include expression control sequences, such as an origin of replication, a promoter (e.g., the CMV promoter, a HSV *tk* promoter or *pgk* (phosphoglycerate kinase) promoter), an enhancer (Queen et al. Immunol. Rev. 89:49 (1986)), and  
30 necessary processing information sites, such as ribosome binding sites, RNA splice sites, polyadenylation sites (e.g., an SV40 large T Ag poly a addition site), and transcriptional terminator sequences. Other animal cells useful for  
35 production of ATP-sensitive potassium channel proteins are available, for instance, from the American Type Culture Collection Catalogue of Cell Lines and Hybridomas (7th edition, (1992)).

Appropriate vectors for expressing the proteins of the invention in insect cells are usually derived from the SF9 baculovirus. Suitable insect cell lines include mosquito larvae, silkworm, armyworm, moth and *Drosophila* cell lines such as a Schneider cell line (See Schneider J. Embryol. Exp. Morphol. 27:353-365 (1987)).

As indicated above, the vector, e.g., a plasmid, which is used to transform the host cell, preferably contains DNA sequences to initiate transcription and sequences to control the translation of the protein. These sequences are referred to as expression control sequences.

As with yeast, when higher animal host cells are employed, polyadenylation or transcription terminator sequences from known mammalian genes need to be incorporated into the vector. An example of a terminator sequence is the polyadenylation sequence from the bovine growth hormone gene. Sequences for accurate splicing of the transcript may also be included. An example of a splicing sequence is the VP1 intron from SV40 (Sprague, J. et al., J. Virol. 45: 773-781 (1983)).

Additionally, gene sequences to control replication in the host cell may be incorporated into the vector such as those found in bovine papilloma virus type-vectors.

Saveria-Campo, M., 1985, "Bovine Papilloma virus DNA a Eukaryotic Cloning Vector" in DNA Cloning Vol. II a Practical Approach Ed. D.M. Glover, IRL Press, Arlington, Virginia pp. 213-238.

The host cells are competent or rendered competent for transformation by various means. There are several well-known methods of introducing DNA into animal cells. These include: calcium phosphate precipitation, fusion of the recipient cells with bacterial protoplasts containing the DNA, treatment of the recipient cells with liposomes containing the DNA, DEAE dextran, electroporation and micro-injection of the DNA directly into the cells.

The transformed cells are cultured by means well known in the art. Biochemical Methods in Cell Culture and Virology, Kuchler, R.J., Dowden, Hutchinson and Ross, Inc., (1977). The expressed polypeptides are isolated from cells

grown as suspensions or as monolayers. The latter are recovered by well known mechanical, chemical or enzymatic means.

5 D. Purification

The proteins produced by recombinant DNA technology may be purified by standard techniques well known to those of skill in the art. Recombinantly produced proteins can be directly expressed or expressed as a fusion protein. The  
10 protein is then purified by a combination of cell lysis (e.g., sonication) and affinity chromatography. For fusion products, subsequent digestion of the fusion protein with an appropriate proteolytic enzyme releases the desired polypeptide.

The polypeptides of this invention may be purified  
15 to substantial purity by standard techniques well known in the art, including selective precipitation with such substances as ammonium sulfate, column chromatography, immunopurification methods, and others. See, for instance, R. Scopes, Protein Purification: Principles and Practice, Springer-Verlag: New  
20 York (1982), incorporated herein by reference. For example, antibodies may be raised to the proteins of the invention as described herein. Cell membranes are isolated from a cell line expressing the recombinant protein, the protein is extracted from the membranes and immunoprecipitated. The  
25 proteins may then be further purified by standard protein chemistry techniques as described above.

F. Antibodies

As mentioned above, antibodies can also be used for  
30 the screening of polypeptide products encoded by the polymorphic nucleic acids of the invention. In addition, antibodies are useful in a variety of other contexts in accordance with the present invention. Such antibodies can be utilized for the diagnosis of HH and, in certain applications,  
35 targeting of affected tissues.

Thus, in accordance with another aspect of the present invention a kit is provided that is suitable for use in screening and assaying for the presence of polypeptide

products encoded by the polymorphic nucleic acids of the invention by an immunoassay through use of an antibody which specifically binds to polypeptide products encoded by the polymorphic nucleic acids of the invention in combination with a reagent for detecting the binding of the antibody to the gene product.

Once hybridoma cell lines are prepared, monoclonal antibodies can be made through conventional techniques of priming mice with pristane and interperitoneally injecting such mice with the hybrid cells to enable harvesting of the monoclonal antibodies from ascites fluid.

In connection with synthetic and semi-synthetic antibodies, such terms are intended to cover antibody fragments, isotype switched antibodies, humanized antibodies (mouse-human, human-mouse, and the like), hybrids, antibodies having plural specificities, fully synthetic antibody-like molecules, and the like.

This invention also embraces diagnostic kits for detecting DNA or RNA comprising a polymorphism of Table 1 in tissue or blood samples which comprise nucleic acid probes as described herein and instructional material. The kit may also contain additional components such as labeled compounds, as described herein, for identification of duplexed nucleic acids.

The following examples are provided to illustrate the invention but not to limit its scope. Other variants of the invention will be readily apparent to one of ordinary skill in the art and are encompassed by the appended claims.

#### EXPERIMENTAL EXAMPLES

##### I. Sequencing of 235 KB from a Homozygous Ancestral (Affected) Individual

In these studies the entire genomic sequence was determined from an HH affected individual for a region corresponding to a 235,033 bp region surrounding the HH gene between the flanking markers D6S2238 and D6S2241. The sequence was derived from a human lymphoblastoid cell line, HC14, that is homozygous for the ancestral HH mutation and

region. The sequence from the ancestral chromosome (Figure 2) was compared to the sequence of the region in an unaffected individual disclosed in copending U.S.S.N. 08/724,394 (a portion of which is provided in Figure 1) to identify polymorphic sites. A subset of the polymorphic alleles so defined were further studied to determine their frequency in a collection of random individuals.

#### A. Cosmid Library Screening

The strategy and methodology for sequencing the genomic DNA for the affected individual was essentially as described in copending U.S.S.N. 08/724,394, hereby incorporated by reference in its entirety. Basically, a cosmid library was constructed using high molecular weight DNA from HC14 cells. The library was constructed in the supercos vector (Stratagene, La Jolla, CA). Colonies were replicated onto Biotrans nylon filters (ICN) using standard techniques. Probes from genomic subclones used in the generation of the sequence of the unaffected sequence disclosed in 08/724,394 were isolated by gel electrophoresis and electroporation. Subclones were chosen at a spacing of approximately 20 KB throughout the 235 KB region. The DNA was labeled by incorporation of <sup>32</sup>P dCTP by the random primer labeling approach. Positively hybridizing clones were isolated to purity by a secondary screening step. Cosmid insert ends were sequenced to determine whether full coverage had been obtained, and which clones formed a minimal path of cosmids through the 235 KB region.

#### B. Sample Sequencing

A minimal set of cosmid clones chosen to cover the 235 KB region were prepped with the Qiagen Maxi-Prep system. Ten micrograms of DNA from each cosmid preparation were sonicated in a Heat Systems Sonicator XL and end-repaired with Klenow (USB) and T4 polymerase (USB). The sheared fragments were size selected between three to four kilobases on a 0.7% agarose gel and then ligated to BstXI linkers (Invitrogen). The ligations were gel purified on a 0.7% agarose gel and



cloned into a pSP72 derivative plasmid vector. The resulting plasmids were transformed into electrocompetent DH5a cells and plated on LB-carbenicillin plates. A sufficient number of colonies was picked to achieve 15-fold clone coverage. The appropriate number of colonies was calculated by the following equation to generate a single-fold sequence coverage: Number of colonies = size of bacterial clone (in KB)/average sequence read length (0.4 KB). These colonies were prepped in the 96-well Qiagen REAL, and the 5' to 3' DNA Prep Kit, and AGCT end-sequenced with oligo MAP1 using standard ABI Dye Terminator protocols. MAP1 was CGTTAGAACGCGGCTACAAT.

### C. Genomic Sequencing

The MAP1 sequences from the cosmid clones HC182, HC187, HC189, HC195, HC199, HC200, HC201, HC206, HC207, and HC212 were assembled into contigs with the Staden package (available from Roger Staden, MRC). A minimal set of 3 KB clones was selected for sequencing with oligo labeled MAP2 that sits on the opposite end of the plasmid vector. The sequence of MAP2 was GCCGATTCATTAATGCAGGT. The MAP2 sequences were entered into the Staden database in conjunction with the MAP1 sequences to generate a tiling path of 3 KB clones across the region. The plasmid 3 KB libraries were concurrently transformed in 96 well format into pox38UR (available from C. Martin, Lawrence Berkeley Laboratories). The transformants were subsequently mated with JGM (Strathman et al. P.N.A.S. 88:1247-1250 (1991) in 96 well format. All matings of the 3 KB clones within the tiling path were streaked on LB-carbenicillin-kanamycin plates and a random selection of 12 colonies per 3 KB clone was prepped in the AGCT system. The oligos -21: CTGTAAAACGACGGCCAGTC, and REV: GCAGGAAACAGCTATGACC were used to sequence off both ends of the transposon. Each 3 KB clone was assembled in conjunction with the end sequence information from all cosmid clones in the region.

In some regions, the coverage of the genomic sequence by cosmids was incomplete. Any gaps in the sequence were filled by using standard PCR techniques to amplify

genomic DNA in those regions and standard ABI dye terminator chemistry to sequence the amplification products.

#### D. Identification of Polymorphic Sites

The assembled sequence of the cosmid clones in connection with the PCR amplified genomic DNA (Figure 2) was compared to the genomic sequence of the unaffected individual (Figure 1) using the FASTA algorithm. Numeric values were assigned to the sequenced regions of 1 to 235,303, wherein base 1 refers to the first C in the CA repeat of D6S2238 and base 235,303 is the last T in the GT repeat of D6S2241 of the unaffected sequence (Figure 1). Table 1 lists the differences between the two compared sequences. Note that previously disclosed (Feder et al., Nature Genetics 13:399-408 (1996)) polymorphic sites D6S2238 (base 1), D6S2241 (base 235,032), 24d1 (base 41316), and D6S2239 (base 84841) are not included in the list of new polymorphisms, although they are provided for reference in a footnote to the Table and were observed in the ancestral sequence. In the Table, a single base change such as C-T refers to a C in the unaffected sequence at the indicated base position that occurred as a T in the corresponding position in the affected sequence. Similarly, an insertion of one or more bases, such as TTT in the affected sequence, is represented as "TTT INS" between the indicated bases of the unaffected sequence. A deletion of one or more bases occurring in the affected sequence, such as AAA DEL, is represented as the deletion of the indicated bases in the unaffected sequence.

#### II. Characterization of Rare Polymorphisms

In this study about 100 of the polymorphisms of Table 1 were arbitrarily chosen for further characterization. Allele frequencies in the general population were estimated by OLA analysis using a population of random DNAs (the "CEPH" collection, J. Dausset et al., Genomics 6(3):575-577 (1990)). These results are provided in Table 2.

One single base pair difference, occurring at base 35983 and designated C182.1G7T/C (an A to G change on the

opposite strand) was present in the ancestral chromosome and rare in the random DNAs. This change occurred in a noncoding region of the hemochromatosis gene near exon 7 approximately 5.3KB from the 24d1 (Cys282Tyr) mutation. OLA was used to genotype 90 hemochromatosis patients for the C182.1G7T/C base pair change. The frequency for C occurring at this position in the patients was 79.4% as compared to 5% in the random DNAs. Eighty-five of the 90 patients assayed contained identical 24d1 and C182.1G7T/C genotypes. Four of the remaining 5 patients were homozygous at 24d1 and heterozygous at C182.1G7T/C; one was heterozygous at 24d1 and homozygous at C182.1G7T/C. The primers used for this analysis were as follows.

PCR primers for detection:

182.1G7.F      5'-GCATCAGCGATTAACTTCTAC -3'  
 182.1G7.R      5'-TTGCATTGTGGTGAAATCAGGG -3'

For the detection assay, the biotinylated primers used were as follows.

182.1G7.C 5' (b) CTGAGTAATTGTTTAAGGTGC -3'  
 182.1G7.T 5' (b) CTGAGTAATTGTTTAAGGTGT -3'

The phosphorylated digoxigenin-labeled primer used was:

182.1G7.D 5' (p) AGAAGAGATAGATATGGTGG -3'

A further rare single base pair change was detected at 61,465bp. The inheritance pattern of this polymorphism, C195.1H5C/T (a G to A change on the opposite strand), is identical to that of 24d1. The frequency of T occurring at that position (C195.1H5T) observed in a set of 76 patients was 78.5% as compared to 5% in random individuals.

PCR primers for detection:

1951H5.3F 5'-GAATGTGACCGTCCCATGAG-3'

1951H5.3R 5'-CAACTGAATATGCAGAAAAAAGTACACC-3'

5

For the detection assay, the biotinylated primers used were:

1951H5.3.4 5' (b)AGTAGCTGGGACTCACGGTGT-3'

1957H5.3.5 5' (b)AGTAGCTGGGACTCACGGTGC-3'

10

The phosphorylated digoxigenin-labeled primer used was:

1951H5.3.6 5' (p)GCGCCACCACTCCCAGCTCAT-3'

15

These rare alleles are thus preferred surrogate markers for 24d1 and are especially useful in screening assays for the likely presence of 24d1 and/or 24d2.

All publications, patents, and patent applications cited herein are hereby incorporated by reference in their entirety.

20

WHAT IS CLAIMED IS:

1           1.     An oligonucleotide comprising at least 8 to  
2     about 100 consecutive bases from the sequence of Figure 1 or  
3     Figure 2, or the complement of the sequence, wherein the at  
4     least 8 to about 100 consecutive bases includes at least one  
5     polymorphic site of Table 1.

1           2.     The oligonucleotide of claim 1, wherein the  
2     polymorphic site is at base 61465 of Figure 1.

1           3.     The oligonucleotide of claim 1, wherein the  
2     polymorphic site is at base 35983 of Figure 1.

1           4.     An oligonucleotide pair selected from the  
2     sequence of Figure 1 or Figure 2 or its complement for  
3     amplification of a polymorphic site of Table 1.

1           5.     An isolated nucleic acid molecule comprising  
2     about 100 consecutive bases to about 235 KB substantially  
3     identical to the sequence of Figure 1 or Figure 2, wherein the  
4     DNA molecule comprises at least one polymorphic site of Table  
5     1.

1           6.     The isolated nucleic acid molecule of claim 5,  
2     wherein the polymorphic site is at base 61465 of Figure 1.

1           7.     The isolated nucleic acid molecule of claim 5,  
2     wherein the polymorphic site is at base 35983 of Figure 1.

1           8.     The isolated nucleic acid molecule of claim 5,  
2     wherein the nucleic acid is cDNA.

1           9.     The isolated nucleic acid molecule of claim 5,  
2     wherein the nucleic acid is RNA.

1           10.    The isolated nucleic acid molecule of claim 5,  
2     wherein the nucleic acid is genomic DNA.

11. The isolated nucleic acid molecule of claim 5, wherein the sequence of the nucleic acid molecule is identical to that of Figure 2.

12. A polypeptide encoded by the nucleic acid molecule of claim 5.

13. An antibody which specifically recognizes the polypeptide of claim 12.

14. A method to determine the presence or absence of the common hereditary hemochromatosis (HH) gene mutation in an individual comprising:

providing DNA or RNA from the individual; and  
assessing the DNA or RNA for the presence or absence of a haplotype of Table 1,

wherein, as a result, the absence of a haplotype of Table 1 indicates the likely absence of the HH gene mutation in the genome of the individual and the presence of the haplotype indicates the likely presence of the HH gene mutation in the genome of the individual.

15. The method of claim 14, wherein the method further comprises assessing the RNA or DNA for the presence of 24d1 and/or 24d2.

16. The method of claim 14, wherein the method further comprises assessing the RNA or DNA for the presence of at least one of polymorphisms HHP-1, HHP-19, or HHP-29, or microsatellite repeat alleles 19D9:205; 18B4:235; 1A2:239; 1E4:271; 24E2:245; 2B8:206; 3321-1:98; 4073-1:182; 4440-1:180; 4440-2:139; 731-1:177; 5091-1:148; 3216-1:221; 4072-2:170; 950-1:142; 950-2:164; 950-3:165; 950-4:128; 950-6:151; 950-8:137; 63-1:151; 63-2:113; 63-3:169; 65-1:206; 65-2:159; 68-1:167; 241-5:108; 241-29:113; 373-8:151; and 373-29:113, D6S258:199, D6S265:122, D6S105:124; D6S306:238; D6S464:206; or D6S1001:180.

1           17. The method of claim 14, wherein the haplotype  
2 comprises at least two polymorphic sites of Table 1.

1           18. The method of claim 17, wherein one of the at  
2 least two polymorphic sites of Table 1 is at base 35983 or  
3 61465 of Figure 1.

1           19. The method of claim 13, wherein the haplotype  
2 comprises at least three polymorphic sites of Table 1.

1           20. A method to determine the presence or absence  
2 of the common hereditary hemochromatosis (HH) gene mutation in  
3 an individual comprising:

4                 providing DNA or RNA from the individual; and  
5                 assessing the DNA or RNA for the presence or  
6 absence of a genotype defined by a polymorphic allele of Table  
7 1,

8                 wherein, as a result, the absence of a genotype  
9 defined by a polymorphic allele of Table 1 indicates the  
10 likely absence of the HH gene mutation in the genome of the  
11 individual and the presence of the genotype indicates the  
12 likely presence of the HH gene mutation in the genome of the  
13 individual.

1           21. The method of claim 20, wherein the polymorphic  
2 allele occurs in less than about 50% of a random population of  
3 individuals.

1           22. The method of claim 20, wherein the polymorphic  
2 allele occurs in less than about 25% of a random population of  
3 individuals.

1           23. The method of claim 20, wherein the polymorphic  
2 allele occurs in less than about 5% of a random population of  
3 individuals.

1                   24. The method of claim 20, wherein the genotype is  
2 C182.1G7C.

1                   25. The method of claim 20, wherein the genotype is  
2 C195.1H5T.

1                   26. A kit comprising one or more oligonucleotides  
2 of claim 1.

1                   27. A kit comprising at least one oligonucleotide  
2 pair of claim 4.

1                   28. A culture of lymphoblastoid cells having the  
2 designation HC14.

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## Polymorphisms in the Region of the Human Hemochromatosis Gene

5

### ABSTRACT

Polymorphic sites in the region surrounding the HH gene are provided. These polymorphisms are useful as surrogate markers in diagnostic assays for hemochromatosis.

46.2050"56425380

Table 1. Polymorphic Sites in the HH Region \*

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
35-36	AC DEL	20463	C-A
841	T-C	20841	A-T
2662-2663	TT DEL	21059	A-T
3767	T-C	21117	A-G
3829	C-G	21837	A-C
4925-4928	TAAA DEL	22293	A-C
5691	C-T	22786	C-A
5839	T-C	23009	G-A
6011	G-A	24143	T-A
6047	C-G	26175	G-C
6231	G-A	26667	C-A
6643	A DEL	26994	T-C
6698	T-C	27838	G-T
7186	T-C	27861	T DEL
7273	G-A	28132	G-A
7545-7558	TCACACACCGATTGG DEL	29100	G-A
7672	G DEL	29454-29457	TTTT DEL
7933	T-C	29787	T-G
8746	T-G	29825	A-C
9115	G-A	30009	T-C
9823	G-A	30177	A-G
10027	G-A	30400	A-G
10214	C-T	31059	T-A
10828	A-G	31280	C-T
10918	C-G	31749	C-T
10955	A-G	32040	C-G
11524	C-A	32556-32559	TGTG DEL
11674	A-G	33017	T-G
11955	T-C	33026	T DEL
12173-12175	TTT DEL	34434	C-T
13304	G-A	35179	A-C
13455	G-A	35695	G-A
14416-14417	A INS	35702	G-A
14998	C-T	35983	A-G
15564	T-C	37411	A-G
15887	A-G	38526	C-T
15904-15919	CCAACTGATCTTTGA DEL	40431	C-A
16019	T DEL	42054-42055	TT DEL
16211	A-T	43783-43784	TTTT INS
17461	A-G	45120	C DEL
19755	G-A	45567	A-C
19949	C-T	46601	A-T
20085	C-T	47255	C-G
20366-20367	A INS		

Table 1. Polymorphic Sites in the HH Region \*

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
47758	C-A	64788	A-G
47994	G-C	64962	G-A
48440	G-A	65891	C-T
48650	T-G	66675	G-C
48680	A-G	67186-67187	ATT INS
50240	C-T	67746-67747	TT INS
50553	G-A	68259	T-C
50586	G-T	68836	T-C
51322	G-C	68976	C-G
51747	A-G	72508	T-G
52474	C-G	72688	C-G
52733	C-A	75323-75324	T INS
52875	G-A	75887	G-C
53631-53637	TTTTTTT DEL	77519	T-C
53707	G-A	77749	G-A
54819	A-G	77908	T-C
55913	T-C	78385	C-G
56225	A-C	78592-78593	AG INS
56510	T-C	80189	T-G
56566	G-A	80279	T DEL
56618	A-T	80989-80990	A INS
57815	A-G	81193	T-C
58011	T DEL	81273	A DEL
58247-58248	T INS	82166	G-A
58926	C-G	83847	T DEL
59406	C-G	84161-84162	CA-GG
59422	G-C	84533	A-G
60221-60222	A INS	84638	T-G
60656-60657	CA DEL	85526	T-G
61162	G-A	85705	G-T
61465	G-A	86984	T-C
61607	A DEL	87655	T-C
61653	T-C	87713	A-C
61794-61795	T INS	87892	C-T
62061	G-C	88192	T DEL
62362	T-G	88528	A-G
62732	C-G	89645	A-T
63364	G-A	89728	A-G
63430-63431	GT INS	90088	T-C
63754	C-T	91193-91194	2209bp INS
63785	A-C	91373	T-C
63870-63871	A INS		

Table 1. Polymorphic Sites in the HH Region \*

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
91433-91434	A INS	133572	A-C
91747	G-A	134064	T-G
93625	T DEL	136999	G-A
95116-95117	T INS	137784	C-T
96315	G-A	138903	G-A
97981	A-G	139159-139160	A INS
98351	T DEL	140359	G-A
99249	C-T	140898	C-T
100094-100095	T INS	141313	C DEL
100647-100648	TTC INS	141343	T-C
100951	C-T	142148	T-C
101610	C-G	142178	C-A
102589	C-T	142433-142434	ATAGA INS
103076-103077	TATATATATATATA INS	143783	C-T
103747	T-C	144090	C-T
105638	A-C	144220-144221	A INS
107024	C-T	144725	A-C
107322	C-T	145732-145733	AAAAAAAAAAAAAAA INS
107858	C-G	147016-147017	CG DEL
109019	A DEL	147021	G-T
109579	T DEL	147536	T-G
110021	C-A	148936	T-A
111251	C-A	149061	T-C
111425	G-A	154341	A-T
112644	T-A	154588	G-A
113001	G-C	155464	G-A
113130	C-T	158574	C-G
114026	G-A	160007	C-T
114250	A DEL	164348	A-T
115217	C-G	164499	C-G
117995	G-A	166677-166678	AAAG INS
118874	A-G	167389	G-A
119470	T-C	168506-168507	AGGATGGTCT INS
119646	G-T	168515	T-C
120853	C-T	169413-169414	AA INS
121582	G-A	170300-170301	TTGTTGTTGTTG INS
123576	A-C	170491	G-A
125581	C-T	173428	T-C
125970	G-T	173642	G-A
126197	A-G	173948	T-G
126672	A DEL	175330	T-C
126672	G-C	175836	T-C
128220-128221	A INS	176200	G-C
132569	C-T	176222	T-C

Table 1. Polymorphic Sites in the HH Region \*

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
176524	A-T	193499	C-T
176684	G-A	193738	C-G
176815	T-C	193984-193985	ACACACAC INS
177049	T-C	194064	C-G
177065	G-T	194504	A DEL
178285	T-C	194734	G-A
178551-178552	CTTTTTTTTTTTT INS	194890	A-C
179114-179115	A INS	195404	G-A
179260	C-G	195693	A-T
179281	C-G	196205	G-A
180023	G-C	197424	C-T
180430	T-C	197513	C-T
180773	T-C	197670	G-A
180824	T-C	198055	C-A
181097	C-T	198401	C-T
181183	A-T	198692	A-G
182351	C-T	198780	T DEL
183197	G-A	199030	T-G
183623	A-T	199933	C-T
183653	G-T	200027	G-A
183657	T-G	200439	T-A
183795-183796	A INS	200452	A-G
184060	G-A	200472-200483	AATAATAATAAT DEL
184993	G-A	200559	A-T
185918	A-G	200745	A-G
186036	T-C	200919	T-A
186506-186507	TAAC INS	201816	C-T
186561-186568	TATTTATT DEL	201861-201862	42bp INS
186690	G DEL	202662	T-C
186751	T-A	202880	T-C
187221	A-G	204341	C-T
187260	A-G	204768	A-T
187444-187447	CTCT DEL	205284	T-G
187831-187832	C INS	207400	C-A
188638	G-A	208634	T-C
188642	C-T	208718	T DEL
189246	T-C	208862	A-C
190340	A-C	209419-209420	TT DEL
190354	A-G	209802	G-A
190762	A-G	209944	C-G
191260	G-T	210299	A-G
193018-193019	AGAT INS	211142	G-A
193147	T-G	212072	G-A
193196-193197	C INS	212146	T-C

Table 1. Polymorphic Sites in the HH Region \*

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
212379	G-A	231226	A-G
212637-212639	TCT DEL	231447	G-A
212696	T-C	231835	A-G
213042	T-A	232400-232402	AAA DEL
214192	A-G	232402-232403	G INS
214529-214530	TTTTTTTTTTT INS	232515	T-C
214549	T-C	232703	G-T
214795	C-T	232750	A-G
214908	T-G		
214977	A-G		
215769	C-T		
215947	C-A		
216232	A-G		
217478	G-A		
219052	T-C		
219082-219083	ATATATATATATATATAT INS		
219314	C-A		
219327	G-A		
219560	C-T		
219660	C-T		
219889	G-A		
220198	G-T		
220384	G-A		
220451-220452	CAAAAA INS		
221363	G-A		
221645	G-A		
222119	T-C		
222358	A-G		
222367	A-C		
222686	A-G		
222959	T-C		
223270-223271	TT DEL		
223283	T-C		
224964	T-C		
225232	A-C		
225366-225367	TTTT INS		
225416	G-C		
225486	T-C		
226088	A-G		
228421	A-G		
230047	G-A		
230109	G-C		
230376	C-G		
230394	A-G		
* D6S2238 occurs at base 1. 24d1 occurs at base 41316. D6S2239 occurs at base 84841. D6S2241 occurs at base 235032			

Table 2. Polymorphic Allele Frequencies

Location	Frequency of ancestral variant in random chromosomes	Frequency of unaffected variant in random chromosomes
232703	53%	47%
231835	53%	47%
230394	85%	15%
230376	25%	75%
230109	53%	47%
225486	45%	55%
225416	75%	25%
220198	43%	57%
219660	58%	42%
219560	53%	47%
214977	65%	35%
214908	50%	50%
214795	24%	76%
214549	53%	47%
214192	65%	35%
210299	53%	47%
208862	80%	20%
208634	48%	52%
207400	25%	75%
205284	50%	50%
204341	53%	47%
202880	58%	42%
202662	98%	2%
200027	25%	75%
199030	58%	42%
198692	55%	45%
198401	55%	45%
198055	55%	45%
195693	60%	40%
195404	25%	75%
194890	55%	45%
175330	53%	47%
173948	83%	17%
173642	55%	45%
173428	80%	20%
168515	80%	20%
160007	18%	82%
149061	58%	42%
148936	82%	18%
147536	100%	0%
147021	46%	54%
141343	55%	45%

Table 2. Polymorphic Allele Frequencies

Location	Frequency of ancestral variant in random chromosomes	Frequency of unaffected variant in random chromosomes
140359	55%	45%
138903	55%	45%
132569	81%	19%
125581	18%	82%
121582	80%	20%
120853	18%	82%
118874	85%	15%
115217	50%	50%
113130	40%	60%
113001	48%	52%
107858	48%	52%
103747	50%	50%
96315	25%	75%
91194	80%	20%
90088	75%	25%
89728	50%	50%
89645	50%	50%
88528	63%	37%
87892	75%	25%
87713	60%	40%
87655	50%	50%
86984	79%	21%
85705	50%	50%
85526	50%	50%
84638	50%	50%
84533	50%	50%
82166	78%	22%
81193	58%	42%
80189	50%	50%
78385	80%	20%
77908	88%	12%
68976	50%	50%
68259	51%	49%
66675	80%	20%
62732	50%	50%
62362	40%	60%
61653	48%	52%
61465	5%	95%
61162	60%	40%
53707	100%	0%
52875	50%	50%
52733	74%	26%



Table 2. Polymorphic Allele Frequencies

Location	Frequency of ancestral variant in random chromosomes	Frequency of unaffected variant in random chromosomes
52474	47%	53%
50586	50%	50%
50553	50%	50%
50240	50%	50%
48680	53%	47%
48650	63%	37%
48440	50%	50%
47255	50%	50%
46601	53%	47%
45567	49%	51%
41316	5%	95%
40431	20%	80%
38526	23%	77%
37411	70%	30%
35983	5%	95%

1 CACACACACA CACACACACA CACACACACA CACACAAATG AGGTATATAA AGGGTCTCCT  
 61 AAAATGTCAT CTGATATTTG TTATTTTCATA TTCTCAGATT TTTAATCCAT TTAGGTAGGT  
 121 CTATTTTAGA TAGCCTTGTC TGAAACAGAG CTGGGACCTG ATGAGTGAAA ATGAGCTCAC  
 181 CAGAAGAAAA ATCAAACAGG CATTTTCAGAG ATTGAGGCCA AGAAGTTAAA TGTCTTAAAT  
 241 GGGCAGAGCT TAGCTGCTTG ATGTGAAAAG AGACCAGCGT GGCTGGAACA GCAAAGGAGA  
 301 ACAGCAGAAG AGGTGAACAG AGGCCAGAGA TGGTCACTGA GTGGGCCCTT AAGTCATGGT  
 361 AAGGAGTATG GAGAATGAAT TATTGCATGT ATTGAATATG TAGGTGACGT GACTCACAGA  
 421 TACTTTGGAT TTGTAGAGAT GAAGGAAATG TAGCAAGTGA CACTCTTAGA ATGTTGATTT  
 481 GAGTAAATGG TAGTGTCACT TATTGAACTG GGGAGAAGTGA AAGACCTATT AGAGTTCTAA  
 541 GAGCACGTTT ATTCTGTGT CTTGGAAGTG TTTAGGGTGA AAGACCTATT AGAGTTCTAA  
 601 ATGGAGATGT AAATTGGAAG TTTACTGCAT ATAGATAGTC TTTGGAACCG TAGTATTGAT  
 661 TGGAGATGTA AAATTGGAAG TTTACTGCAT ATAGATAGTC TTTGGAACCG TAGTATTGAT  
 721 GAAGCCATTA ATGAGACAGA ACAAAGACTA GGGACCAGAG CCAAGCTCCA AGTTTCTAAA  
 781 ATTTAGAGGA TAGTATAGTC TGGTCATTTT GAGGTGAATA CTTAATAACA GAACAATTTG  
 841 TTGAAGTGTA AATTTAGAGC CCTACACTTT TAGCTCTGAC TATTAACGAA TACAGGAAAG  
 901 AATGGATATG GTTATCTGCC TGGTGTCTGT GAAATAATTT AAGCCAGGAA GAGATCCTCA  
 961 CCAGAACTG ACTATGCTGG CAACTTGGAT CTTAGATTTT CAGCCTGCAG AATGTTAGA  
 1021 AAATAAATGT CTATCGTTTA AGCCACCAGT CTGTAGTATT TTGTTATGGC AGTCCAAGCT  
 1081 GACTAAGTTT TGGTACCCAG GCGTGGGATG CTGCAACAAC AAATACCTAA ACATGGGGAA  
 1141 GTGGCTTTGG AAATTGGTGA TGGGTAAAGG CTGGAAGAGT TTGAGGTTCA TACTAGAAAA  
 1201 AGCCAATTGT GAAGGGACTA TTGAAAGAAA TATGGACATT AAAGGCAATT CTGGCAAAGG  
 1261 CTCAGAAAGG AAGAGAGCTG GACAGAAAGC TTCCATTTTC ATAGAACTT AGATTTATAA  
 1321 CGATCATGGA TAGAATATTA AATATGCTGG TTAATAATATG GACTTTAGGC CAGGCGTGGT  
 1381 GGCTCACGCC TGTAATCTCA GCACTTTGGG AGGCTGAGGG CACAGATCAC GAGGTCGGGA  
 1441 GTTTGAGACC AGCCTGGCCA ATATGGCGAA ACCCTGTCTC TACTAAAAAT AAAAAATTA  
 1501 GCTGGGCATG GTGATGTGCT TCTGTGTGCC CAGCTACTCG GGAGGCTGAG GCTGAAGAAT  
 1561 CGCTTAAACC CGGGGGGTGG AGGTTGCGAT GACCCAAGAT CACACCACTG CACTCCAGCC  
 1621 TGGGATACAG AGCAGGACTC CACTCCCCC GCCACACACA CACAAAAAAT ATATATATAT  
 1681 GGACATTAAT GTCACTCTT GTGAGGTCTC AGATGAAAAT GAGGGACAGG TTATTGGAAA  
 1741 CTGTAGAAAT CACTGTCTT GTTACAATGT GTCAAGAACT TGGCTGAATT ACGCTGTAGT  
 1801 GTTTACTGGA AAGAACTTAT AAGCAGTAAA ACTGGATATT TACCAGAAGA GATGTCTAAG  
 1861 CAAAGTATTG AAGGTGTGAT TTAGGTCTCT CTTACTGCTT AAAGTGAAAT GTGAGAGGAA  
 1921 AGAGCCGAAA TAAAGAAGGA ATTTTAAAGC AAAACACAAT CAGAACTTGG AGATTTGGGA  
 1981 TAGATTCTCT AATCTATATT GTAAAAATTG AGAAAGTTT TCTTGAAGAG GTATGGTTGA  
 2041 ACAATGTTTT CTTTTTCTTT TTTTTTCTTG GTTTTATTTT TATTTTATG TTTTTTGAGA  
 2101 CAGGGTCTGG CTATGTCATC CAGGCTGGAG TGCAGTGGCA CAATCTCAGT TCAGTGCAAC  
 2161 CTTTGCCTTC AGGCTCAAGC AATCCTCCCA CCTCAGCCTC CTAAGTAGCT GGGACTACAT  
 2221 GTATGCACCA CCACACCCTG GCTAATTTTT TGTGTTGTT TATAGAGATG GGGTTTGTAC  
 2281 ATGTTGCCTA GGCTGGTCTC TAACCTCTGA GCTCAAGTGA TCTGCCCTCC TCAGTCTCCC  
 2341 AAAGTGTTGG GATTACAGGC GTGAAACACT GAGCCTAGCC TGAACAACCA TTTGATAAAG  
 2401 AGATAATGGG TGTGACCCAA GGATTTAATC AGCCATCTCA GCAGAAGCCA GGAAGAGAGA  
 2461 TGGGATTATT CCAGCAGAGA CACTGCCAAT TTAACTAAC GTAGGCAGAG AAAACAGAAA  
 2521 GGAACAAAGG AAGGTTGTCT ACTTTTGTGA TTTTATAGAA CAGGATCATA GAGCTACCTG  
 2581 GCTGTCAATG TGTACTATTC TTTAAGAAAA GGAAAGACTG ACCCACCAAA GGCAACTTAC  
 2641 AAGATCACTA GGGCTGACTC TTTTGTTTTT TCTTGAGGCA GTCTCACTGT CACCCAGGCT  
 2701 GTAGGGCAAT GGTGTGATCT CAGCTCACTG CAATCTCCAC CTCCCAGGTT CAAGGGATTC  
 2761 TCTTGCTTGA GACTCCCAAG TAGCTGGGAT TACAGGCTCT AAATCTGTAC CCTCCCAGT  
 2821 AGCGCTCCTG CCACCACTTG CCCAGCTAAT TTTTGTATTT TTAGTAGAGA TGGGGTTTCA  
 2881 CTATGTTGGC CAGGCTAGTT TGGAACCTCT GACCTCCAGT GATCCATTCT CATTTGGCTC  
 2941 CCAAAGTGCT GGGATTACAG GCAGGAGCCG CCAGGGCTGC CACTTTGATG TCAGACTCAG  
 3001 AGAGTACAGA TGGGATAGGG TGGGGGTGGG AACATGTAGT CAAGGCTGAC TCTACCTGTT  
 3061 TCAAAGATGC CCTGCAGAAC TGTGTGGGAG TCTCTCACAG ATGGCTGCCT GGGTGGGACC

Figure 1 (Page 1 of 73)

3121 CCACCAAACCT GAAAGACCGA GACTTCAGGC AGGGCAGATG GAGTAGGCCA ACTACAGAGC  
3181 CAGAGGTGAC ACTGAGACAC CACTGGGCCT GGAAATCAGG GCATCAAGCC AAAGAGGGTT  
3241 TTTCTTAAGA CCTAACAGAA TTTGCCTTGC CAGGTTTTGG ACTTGATTAG GACACATTAC  
3301 ACCTTCCTTC TTTCTTATTT CTCCATTTTC TAATGGGAAT GTCTATTATG CCTGTTTTAC  
3361 CATTGTACCT TAGAAGCATG TAACATTTCT GGTTCACAC GTTCAAAGCT GGAAAGGAAT  
3421 TTTGTCTCTG GATGAATCAC ACATTGAGCC TCACCCGTAA CCTGATTTAG ATGATTTTTT  
3481 AGATGACACT TTGAACCTTA GAATTGATGC TAGAATGAGT TAAGACTTTC AGGGGGCTGT  
3541 TGGGATGGAA TAATTTTTTT TTTTTTTTTT AGACGGAGTC TAGCTCTGTC GCCCAGGCTG  
3601 GAGTGCAGTG GCACCATCTT GGCTCACTGC AAGCTCTGCC TCCCGGGTTT ATGCCATTCT  
3661 CATGTCTCAG CCTCCAGAGT AGCTGGGACT ACAGGCGCCC GCCACCACGC CTGGCTAATT  
3721 TTTTTTTTAT TTTAGTAGAG ATGGGGTTTC ACCGTGTTAG CCAGAATGGT CTCGATCTCT  
3781 TGACCTCTCG ATCCGCCCTG CTGCGCTTCC CAAAGTGCTG GGATTACACG TGTGAGCCAC  
3841 CATGCCCGCG TGGGATGGAA TAAATTTTAT TTGTATGGGA GAAGGACATA CATTTTGGCA  
3901 GGTCAAGGAC AGAATGTTAT GGACTAAAAC GTGTCCCCCA AAATTCATTT ATTTAAACCC  
3961 TAAACCCAG TGTGACTGCA TTTGGACATA GAGCCTTTAG GGGGTACATA AAATAAAGA  
4021 TCACAGGATA GGGCCCTAAT CCCATTGGGG CTGGTGTCCCT TACAGAAGAT GAGACACTTA  
4081 GAGCTCTCTC TCCACGCAGG CACCAAGGAA ACACCATACA AACACACAGT GAGATGGCAG  
4141 CCATCTGTTA GCCAGGAACA GATCTCACC ATAAACTATG TTGGCACCTT GATCTTAAAC  
4201 TTCCAGGCTC CAAAACTGTG AGAAAATGAA TTTCTGTTCC AAGCCTCTTA GATATGGAAA  
4261 AAAAGATTCT GTTGTTTAAG CCATCCAGTC TCTGGTATTT TGTATGGCA GCCTGAGTAG  
4321 GCTAAGACAA TGAAGGATGT GGTAAAACCT TACGTCCCAA CCACATACCA AAGAGGCTGG  
4381 AATTTAGCAT GCTTTCTTCT TTCAACTGTA GGCAATGTGC ACAAGTTCTA AATCCTAAGA  
4441 CATGTTGGCT CCTTTACTCT GCCCAAACCT CAACCTCAAAC AAACAACCTGT AATATAATAA  
4501 CATCCAATGA AGTTCTGACA TTTCTTCAAC ATGAGTACAG TAATTCATG CCAGAGAATT  
4561 CATTTTATTT TGAAATCTAC ATGCCATATT CCAATTTCTG TTGAAGATGC AATGGTTATA  
4621 TTTATTCTTT TTAATATAGA TTTATCAGAC TGGGCGCGGT GGCTCATACC TGTAATCCTA  
4681 GCATTTGAGA GGCTGAGGTG GGCATATCAC CTGAGGTCAG GAGTTTGAGA CCAGGCTGGC  
4741 CAACATGGTG AAACCCTGTC TCTACTATAA ATATAAAAAAT TAGCTGGGTG TGGTGGTGCA  
4801 TGCCTGTAGT CCCAGTTACT AGGGAGGCTG AGGTAGAATT GCTTGAACCT GGGAGCAGGA  
4861 GGTGCAATG AGTGGAAATC GCACCAGTAC ACTCCAGCCT GGATGACAGA GCAAAATAAT  
4921 AAATAAATAC ATAAATAGTA TTTATCAGTT TATCAATAAT ATAGTTTTCT TTTCTAGGTG  
4981 TAAATATAGG TAATGACTGT CCTTTAGTAC ATTTTCTCAT GATGCTCCTC TTACTTGGTT  
5041 TGGTACAATA TTAAGTATTG AAATAAATA GAGAATCCTG TCGCTACACA TGAGCACTTA  
5101 TTCCATTTGC TCATCTCCAA TATGCACGGG AAATTTCTCA ATTGCTAATA ATCTTGTAAC  
5161 ACACATGCAT TATATTCAAC AGGAATATAT AAATTTATAA TTATAATTTA GGATCAACAG  
5221 ATGACAAACC TTTAGAAGGT TTGTATTTAA CCTTAAATA TAATTTTTTA AAAATTGGTT  
5281 ATAAATTTTC TAATACTTTT TTTTTTGTGA CCTCAAGGGG AAAATATAAT TCTTATAAAA  
5341 GTTCAAATGA TTTACAGAAT ACAAAAAGTG AATAGAGATG ATGAATGAAT TAAAGGAAAG  
5401 GATATTGCTA CATAGATTTG GAAATTTAAA AAGGGAAATT ACGATTGTTG ATTTTGTGTT  
5461 AAATGATCT GCTTTGTTCA AGATACCTTA TGTACCAAAA AATGATTTTA TCTCAGCCTC  
5521 ATATCTCAGT AAATTCCTGA GACAACTTT AGTCCCTGGT GCCCAGGTGC CTTTGGTAAAT  
5581 TGGGAGACCT CTAGGTTTAG CATCCTCATC CACTCGCCCC AATTTAAATA GTCCCTCCCCA  
5641 GGGCCATTCA GGCAAGGGAG ATGAAAACCT GCTCAAGAGT TGGAATCCAA CTGAAGCTAC  
5701 CGAAATTCAT TGCTCAATAG ATAATTTTCC CTGGAAGTAA CTAGGGCTTT TGAATATAAT  
5761 AGTGGGCATT TCAAAGTAGA AGGTAAAGTA TTTTGGAGAT GAGGAGACAG GACAGAGCTA  
5821 CGAGGAATGT CCTTTGCTTA GGGACTAGGC TCTTAGCAGT ACCTCTTAGG TAAGAAGCTG  
5881 TTAACCTGGC CTTCTGTGT TTCTCTGAAG CTCCCTTTGC TTAGGGACTA GGCTCTTAGC  
5941 AGTACCTCTT AGGTAAGAAC TGGTTAACTG ACACCTTCTA TGTGTCTGAA GCTCCCAGAA  
6001 CAACTGCCA GTGAAATTTG GATTTTTTGA ATATAGTTTC TTTTTTCTTG TTACTTTTTG  
6061 TTTTGTGTT TTTTTTTGAG AGTCTCACTC TCACTGCAAC CTCCCCCTCC TATATTCAAG  
6121 TGATTCTCTT GCCTCAGCCT CCCGAGTAGC TGGGACTACA GGCGTGCAC AGCATGCCCCA  
6181 GCTAATTTTT GTATTTTTTA GTAGAGATGG GGTGGGTTTT TTTTGGAGAC GGAGTTTCAC  
6241 TTTGTCGCCC AGGCTGGAGT GCAGTGGCAC GATCTTGGCT CACTACAACC TCCACCTCCC  
6301 GGGGTCAAG TGATTCTTCT GCCTCAGTCT CCTGAGTAGC TGGGACTACA GGCGCCTACA

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6361 GGTGAACACC GCCACACCTG ACTAATTTGT GTAGTTTTAT TAGAGATGGG GTTTCGCCAT
6421 GTTGGCCAGG CTGGTCTCAA ACTCCTGACC TCAGGTGATC TACCCACCTC AGCCTCCCCA
6481 AGTGCTGGGA TTACAGATGT GAGACACCAG ATCAGCCTCA GAAGACATTT TCTATTGGAA
6541 AGAGAAAACA CTATTAGCAA CCTATTAGTC TAATATTTAA TACTTAATGT CTTCCCTTAGT
6601 AATAAACCAA CTCTCTACAA CAAAGTGCTT CCTGGCTGCC TAAGTCATTG ATTCATTACAG
6661 TTCAACATTT TCTCAATGCC CAACAGCCAA GTGTCTCTTG TATGCCAAGT TCTATGCTGA
6721 TTATCAGTAT TTGAATAAGA GGGGGTCTAC ATCTTAAGTA CTGCTTAAGA TGAAAGCCTC
6781 TAGGTTAACA AACTTAACAC AATGTATCAT TCACTACTAA ATAGACCGAA TACAAAATCT
6841 TGTTATTGGA GCCCAGAGAG AAGAATTGAA ATTCAAGTTT TCTCTCTCTC CTTTTCTCAC
6901 TCACCACAAT AAGTCAGTTG CACCAAGTCT TGTAGCTCTT TACTGAGCCA TGTTTTTCACG
6961 TGTCCCTTTG TTTTATTTGC CACACCCTAA ATAAAAATTG TACTGGCTTT TTTTCCCTGG
7021 GTTTACAGTA TTAATACATT GTCAAGATTT ACCTCTTCGT GTAGATTCCC TGGGGAAAAT
7081 TACCTTTCCCT CCTTCCCTTA AATTCTTCAG AGGTTAGAAA GCCATTAGTA ACATTCTGGT
7141 ATGTGGACAA AGTTTACCCA TTATGTATGG ATGTTTTACT CTTTCTATTT TTCTGACAAT
7201 AATCTCTTAA GGAGGTGTGG TTATAGAATA GTCAGCTGTT ATAAGTACTG TTTTCTGGC
7261 CTTACAACCTT AAGTTCTTTA AGCTGTTTCT TAGTTTGCTC ATCTCAAAAT TCGGAATAAG
7321 GATAAAACCT ATCTCTTAGA TTGTTGGATT AAATGAATTA ACATACTGGA AGCTCATGAA
7381 ATGTGCCTGG CACACAGTAG TGCCTAATAA ACCATCTCTC TTATTCAGCC TGTTTTCTGA
7441 TTTCAGAATC TACACTTGCT GAGCCAGGTT CTTTTCATTT CAAGGTGAGC AAAAGCATAC
7501 AAGGAAGAGA TGGAGGTAGG AAGAGATTAA GCCCTAGGCC AAGGTCACAC ACCGATTGGG
7561 AGCTGGAATC AAAGGCAATT TGGTCAGTGA ATAAAAAGGA TTCCAAGGCC CATAAGGCAA
7621 TTCTAACCTT AGGATCGAAA TTCTCGGACA TACAGGAAAT GCTGGGGGGG GAAAATCCGG
7681 TCTTCTCAGC CCAAGAGCCA TGTGAAACCA GACCTTCAA TCTGATGATT CTCAGCCCAG
7741 CTGCCCATTA GAATCGTTGT AATTTAAAAA TACCCTCGGA AAATTCTAAT ATGTGGCTAT
7801 CAAAGGTGAT CATTTGCTTT TATGCCACTT TGTTTTTACC CAAATGGGAC ATCCAACCCT
7861 TTTCTTTTGA GAGTAGTTGT AGGGAAAGGA GGGGGTGGAG GGAGGGAAGA GCGGAAAAGG
7921 CTGGATCCGC CCTGAGCCGG TGTCAGTATC TGGGAAGTGG GAGGCGCGTC AGCAGTAAAC
7981 AGCTTCTGCT AGGATTATTA TCTCTGCCA CACACTCGGA TTTGAAGCT CCAAACGAAA
8041 CAATGCAAAA CGCTTCAGTG GAGTTCCAGA AGCGTTAGAC TAAACGACTG GTTCTGTTTG
8101 GCCAGTCTGA GCAGCTGGGC GCAGATGCAT AGGCAAGACT TAGCCCGCCT AGACTTTTCT
8161 GCCCACTTAA TTCCGATCAA AGCAGAAACC GGCCGGGCGC GGTGGCTCAC GCCTGTAATC
8221 CCAGCACTTT GGTAGGCAGA GGCTGGCGGA TCACCTGAGG TCAGGAGTTC GAGACCAGCC
8281 CGGCTAACCT GGTGAAACTC CGTTTCTACT GGTGGCGGGC GCTTGTAATC CCATCTACTA
8341 GGGAGGCTGA GGCCGGAGAG TCGTCTGAAC CCGGGAGGCG GAGTTTGTAT GCAGTGAGCC
8401 GAGATCGCGC CACTGCATTC CAGCTTGGGC AACAGGAGCA AAATCCGTT TCAAAAAGC
8461 AAGCAAACAA ACAAAAAAAT GCAGAAACCG AGATCCGGAA GAAAACCTCG GCGAGATTCA
8521 CAGAAATCCAG GAAAATAGGT CTCTAGAAAT TTGTCCATGG TCCCAGATCT CCATTTCTTG
8581 TGGGTGGGGC AGCTGTTACC AGATCCCTAG AAGCAAAGGT TTTTTTGGGG GACCGTGTCT
8641 CACTGTTGCC CAGGCTGGAG GGCAGTGGCA CGATCTCGGC TTAATAACAC CTCCGCCTCC
8701 CAGGCTCAAG CGACTCTCCT GCGTCAGCTT CAAGAGTAGC TGGGATTACA AGGTATGTGC
8761 CACCACGCCC AACTTATTTT TTTATTTATT ATTTTATTTT AGTAGAGAGG TGTTTCACCA
8821 TGTGGGCCAG GTTAGTGTCTG AAGTCGTGAC CTCAGGTGAT CAGCCCCCTC GGCCTCCCCA
8881 AGTGGTAGGA TTAGAGGGGT GAGCAGAAAG CAAAGGTTT TGTAGTGCCA CAGGCCCCAC
8941 TCTATTTCCCT TTTCTGCCTG TAATGGCAAC CTAGACGCTT GAGCTTCTTA AAATAACAAG
9001 GTAAGTTGCA TGTGAGGCAC CGTTCTACAT TAGGGACATT AGTCTGTTTT ACAGACACCT
9061 TTCAACTCCC TGGTTAACTT TTAGGTAATA TACTCTGCAC TTTAGCAGGA ATGGGACCTA
9121 TAACTCTCAC AGAATTAGGA AAGTGAGGCT GCCTACAGCC TAAATTGAGA AAAAAATAGA
9181 CGGGGGACTA GTCGGAGGAC CAAACAAGGT TACCAACACG TTAGAGTTTT GCCTTCAATT
9241 TACATTTTTTA AAGTAATCAC AACGAAGTGT TTAGATCACG AGGCATCCCT GCATGTAAAC
9301 TGTTAGGCAC TAACTATGGT CGATCTTACA AAGCATTAAC TAGAATATTT CTTTAGAGTA
9361 TGATAGTACG TAACTGACCT ACTATTACAT ACAAACAGAC CAACCTTTAG TAACAGCGCT
9421 CCCCCAAAAC CGAAAAGCAG TAATACGCTT TGCTCAAGGT TGGCATAAAA TTAACCTACC
9481 TTAGTGCCCT TTTTCTCTCT ACCTACAAGC AGTGAGGTTA GCTCTTCCTT TGAAACGGTA
9541 GGGGGGCTCT GAAAAGAGCC TTTGGGTTTG ATAGCGTTTC CGGGAGCTCA GATACCTGTC

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9601	AAATCACTTG	CCCTTGGCCT	TGTGGTGACT	CTCGGTCCTT	TTAGGCAGAA	GCACGGCCTG
9661	GATGTTAGGA	AGGACGCCGC	CCTGAGCAAT	GGTCACCCGC	CCTAGCAGTT	TGTTGAGCTC
9721	CTCGTCGTTG	CGGATGGCCA	GCTGCAAGTG	GCGCGGGATG	ATCGAGTGT	TCTTGTGTCT
9781	GCGAGCCGCG	TTGCCGGCCA	GCTCCAGGAT	CTCGGCGGTC	AGGTACTCTA	ACACCGCCGC
9841	CAGGTACACC	GGCGCGCCTG	CCCCAACCCG	CTCTGCGTAG	TTGCCTTTAC	GGAGCAGGCG
9901	GTGCACTCGG	CCCACCGGGA	ACTGGAGACC	AGCGCGAGAA	GAGCGGGATT	TCGCTTTTGGC
9961	GCGAGCTTTG	CCTCCTTGCT	TACCACGTCC	AGACATTGCA	ATCAGACAAA	AATCACCAAA
10021	ACCAGCGGCC	TAAGCTCACG	AGAAAACAAA	CAAAATCAAG	AAATATGTAA	AACATGGCCG
10081	CTTTTATAGG	TAGTTCCTGG	GGAGTAAATC	CGACTTTTTG	ATTGGTCGGT	AGCAAATGCT
10141	AGTCAGATAG	CCAATAGAAA	AGCTGTACTT	TCATACCTCA	TTTGCATAGC	TCTGCCCCAG
10201	GATGACAACT	GTGCAGTTTG	TC'TTCCAATT	AAC'TAAGAGG	TACTCTCCAT	CCCTCATTAG
10261	CATAAAAGCC	CTATAAGTAG	CAGAAATCCG	CTCTTTTACTT	TCGACACATT	TCTGGTGT'TT
10321	TAAGATGCC'T	GAGCCAGCCA	AGTCTGCTCC	CGCCCCGAAG	AAGGGCTCCA	AGAAGGCAGT
10381	GACCAAAGCG	CAGAAGAAAG	ATGGCAAGAA	GCGCAAGCGC	AGCCGCAAGG	AGAGTTACTC
10441	TGTGTACGTG	TACAAGGTGC	TGAAACAGGT	CCATCCCGAC	ACTGGCATCT	CT'TCCAAGGC
10501	CTATGGGCATC	ATGAATTCTT	TCGTTAACGA	CATATTTTGA	CGCATCGCGG	GCGAGGCTTC
10561	CCGCC'TGGCG	CATTACAACA	AGCGCTCGAC	CATCACC'TCC	AGGGAGATCC	AGACGGCCGT
10621	GCGCC'TGCTG	CTTCCCGGAG	AGCTGGCCAA	GCGCGCGGTG	TCGGAGGGCA	CCAAGGCCGT
10681	CACCAAGTAC	ACCAGCTCCA	AGTAAACATT	CCAAGTAAGC	CTCTTAACAC	CTAACCCCAA
10741	AGGCTCT'TTT	AAGAGCCACC	CAGATACCCA	CTAAAAGAGC	TGTGGCCAGA	GCCCAAATTT
10801	TATTTGGCGG	CGGAGGGGTA	T'TAGAATATA	GGAAC'TGGAG	AGGGGTGGGG	ACAAGTGT'TG
10861	CAGCTTAGAG	AGGGACAAAG	GGTCC'TGAAC	CCGAAAGAAG	CCAGCCATTA	AAAATGGCTT
10921	TGGGGTCAAT	TCGTTGTGCT	TAAATTTAAA	ATGGAGACAA	GCGGCCATTT	TGCTAACTCG
10981	GCGT'TCCCGG	AAGAAACCGC	AGGCTCGCTT	AGGTTTCAGA	CCCAGCTGTC	TGTCCCTGTC
11041	TACGTCGCCA	GGATCAACGG	TTGCCGTAAT	GTCATAATTT	CGCCACCAGC	TTCTAGCCAA
11101	TAGGCTGTCC	TGTCATTTTA	AATATTAACC	AATCGAGGGA	AAGCTGTTTT	GAGACTCTGA
11161	T'TTACATAGC	GGACCGGAGT	GGGAACCTGG	GCAGTAAC'TG	CCTAAGGAAG	GACTCCCCCT
11221	CTG'TTTTCGT	GGCGCACACC	TTCGTAGTAT	ACTGAAGGGT	GTGTCTCCTG	GGTTTCCAAC
11281	TGCCCCGGTA	ATAGTCT'TTT	AACC'TAATAT	GCGTCAGTTT	TGATAACAAC	ACTAAGGCAG
11341	TACAGAACTA	AAGATGTAAG	CAC'TGCGCCA	GATGTTGCTT	CATACATCTT	ATTCTATTCA
11401	ACTGGTTTAT	TCAAGAT'TCA	AATCAAATCA	AATTTTGTCT	GAATCCCAGT	GCTCAGTCAG
11461	CCATAAATGG	TGTGTTGCC'T	GAT'TGAACT	TAAAATCTCC	GTAGGGGGCT	TGTAACATGC
11521	AGACAAGTTT	GAAAGTTGCT	TTAGGAGAAG	CCAAC'TCTA	ACTGCTGGGT	AAATTGACAA
11581	GCC'TTCGAAC	ACTGAAC'TGA	AGGCCAGTAA	GGACTAGGCG	CTGGTGGGG	GAGAA'TGAAG
11641	AGGAGACGTC	ATTAAAC'TTA	GCACATACAC	TGTATCTCCT	AGAGGACTCT	CCCTTCC'TAT
11701	ACAAC'TGCAG	GCCGCTTTGT	GGCCTGGGAA	ATTCCACATT	CCCTTAAGTA	TTTTACTCAT
11761	GGTCT'TTTTCC	AGGTAAAGAT	T'TTAAGATGA	AGGGTTAGAC	GTAGTCTACC	TATCTTTTTTA
11821	TTCAAGTCTA	GAACACGTTT	TTAGCACCTA	GAAGTTTGCT	TTCTCCATTA	AAAACCGGGA
11881	ATATACAATA	AATAAAATTA	GTGTTAAAGC	AGATTTTTTAC	AAACTTAAAT	ACCATGTAAT
11941	TTAGGTTACA	GTTATTTAAC	ATAAGGACTG	TGTGATCTTA	AATCTGCAAT	TTCTTTTCA
12001	CCTGGGAAAT	AAACTAAGGC	CTGTCTTTTG	TGCCAGACAA	GGCCTTATAC	TTGAACACTG
12061	CTGTGCAATC	ACAGGCTGCC	TTGCC'TAGAT	AAC'TTATCTG	AGAAATCTCT	ATGAGAAATG
12121	AAATTTTCCAG	AGTCCCTCAC	AAGTAAATTT	TTTTTTTCTTT	TTTTTTTTTTT	TTTTTGAGAC
12181	GAAGTTTCTC	TCTTGTTTCC	CAGGCTGGAG	TGCAATGGCG	CGATCTTGGC	TCACAGCAAC
12241	CTCCGCCCTC	CGGGTTCAAG	CCATTCTCCT	GCCTCAGCCT	CCGGAGTAGC	TGGGATTACA
12301	GGCATGCGCC	ACGACACCCCT	GGCTAATTTT	GTATTTTTTAG	TAGAGACGAG	GTTTCTCCAT
12361	GTCGGTCAGG	CTGGTCTCGA	ACTCCGGACA	TCAGGTGATC	TGCCCCGCTT	GGCCTCCCAA
12421	AGTCTTGAT	TACAGGCTTG	AGCCACCGCG	CCGGGCC'TAA	ATGGTTTTTTT	TTTTTTCTAT
12481	CCCTCTAATG	GACCTGGTCA	CTTATTTCCCA	TTCAGACTGA	CCGCTCTCCT	ACCTGCCAAC
12541	TAAC'TAATCA	GTGTAACCAA	AATTTGCAAA	CAAAATTCAG	TATTTT'TCC	CCGCTTTTTC
12601	CCCTTTCTCT	TACATAGATT	ATGTTTTTGC	CTGTGTTAGA	TGAAATAATT	CTATTGCTTG
12661	TTCTCTCTTC	TGTACAAAGTA	CCCAGTAAGC	AAAT'TATTA	TCTCTTGCTC	ATTTATTTCT
12721	GAATTTTCCA	CCAAGACAGT	GTTTATGTGA	GTCATACAAT	AAGAACCAAC	AGAAATGTGT
12781	GTCTTGAAAA	CAGGTGTCT	ATCCCTGGAC	CCTTTGAGTT	TTCTGTTTAC	TTTCCCTTGG

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12841 CTTTTCATG CTAAAAGTTT ATCGTCCGCG TTTGTTTGTT TTGGTTATTC TAATTGGACT
12901 TGGCTGATTG GTTGCATATT GGTGGCAGTA GTAGAATTTG AATTCTGGTT TTCTGGTCAC
12961 ATCATTAAGT GATTAGTCAG TGGAGAGGAC AGGAAATCTG GTTTATTTAT TAACCTTTTT
13021 TTGGGGTGTT TTTGTTTGAA GATGTTGATA TTCTCTGTGA GGACACAGGG TTAGAGTTGG
13081 TGTTTTTCTT TCTGACTTTA CATGGGATTT GATGTTTTGT GCTTGTATGC CTCTTTCCAC
13141 CTTCCAAAAC TTGTCTTTTT TGAGTCCAAA TAGTTGTCTGA TATCTGCAA ACCAGTATTC
13201 CTGTGTTAAG ATGATATGAA TATAAAATGG CTGCCCTGTT ATAACCTTTG ACTTTAAGAA
13261 AGTGTTAGGA CTAACAGGAG AAAAAAGGA AATCAAGGAA ACCGAATGTC TGGTCTCAAT
13321 AACTGCTATG GCAGAGGCTC TACAGCTTAT TATTAATTTT AGTAATTTCA CATTATTGCC
13381 CCTTCACGTT CTTTAAGTAA GGTTAGAGGA CAGAAGAAAC ATAATGTTGT TACAAATTGG
13441 ACTATTGAGT CAGGGAAAAA AAAGAGTGCT TTCAATATCT GAATAAAACA AAGATTTAAT
13501 ATTTTCTAAA CCTTAACGAG TTTATTGTAA GGGATGTGAT GCTGGAACT AGGAACTAG
13561 AATTTTCTTC TAAACTGAGA ATCAGAATTA TTCATATTCT CAGCAGTGGT GCCACCTGAG
13621 GGACTTCTGA TCTTAATTAC ATACTTTTAT TTCTTTAACT GATCAACATG CTAAATAGAT
13681 AACCTATGGC TCTGTTTTTA CCCACTTTAA ATTCTGTTCT ATTAGCACGG TTAGCTTTCC
13741 TAATTGGCAA TAAGATTGAG ACTATCTTTT TTTTTTTTTT GAGACAGAAT TTTGCTCTGT
13801 GGCCAGGCT GGGGTGCAGT GGCACAATCT CGGCTCACTG CAACCTCTGC CTCCAGGGTT
13861 CTAGCAATTT TCCTGCCTCA GCCTCCCCAG TAGCTGGGAT TACAGGTGCA CCACCACGCC
13921 TGGCTAATTT GTGCATTTTT AGTAGAGATG GGGTTTCGCC ATGTTGGCCA AACTGGTCTC
13981 GAACTCAGGT GATCCACCTC GGCCTCCCAA AGTGATGAGA TTACAGGCGT GAGCCACCGT
14041 GCCCAGAAAA GACTATCTTA TTTTATGAAT TTAAATAATT GTGAAATTAT CCACTTAAGG
14101 GAATTAATAA ATTATAATGT AATCTTAAAT TTTAGTTGGC TTACATAAAG ACTTAAATA
14161 CATCAATTTA AATAAAAACT CATTGTGCTA AAAAAAATC AAAAATTTTC CTTGTGCTTT
14221 AAATGTGCTA CCTCTTTAAG TTCTAATTAA GAGAAAAAA GTTTAACTGT GAGTTTCATT
14281 AGTGGTCTTA GTTAACAGCT TAAAGTATTT TGTAAAAAA ATACTTCACA ATTTTAAAT
14341 AACTTAAAAA TATTAATACC TCTTTTATTA GGTTTTTTTA ATAAGGAAAA TATATAATAC
14401 ATCTAATCAA GATTTTTTTT GGACAAATTG GCTTAATAAT TTCATTTTAA AAATGGCTTC
14461 TTTATTCTTA TACTGTAAAA ATAATATTAG CAGAATATTA TAGTATACAC AAGTTTAGGG
14521 TTCATATTCT AAAAAACAA AACAAAAGCT AATTTAACTT GCATTTACTA AATTTCTTCC
14581 ACTAGTTGTA CTGGTTACAT GAGTTAACAT CACTTTATTT ATTATTCTAA AATGTAAAT
14641 TATTCATTGA ACCAAATTAA ATGATAATAG ATAATGTCAT TTTTAAAAAT GGAATTAAAT
14701 TTTATGTTAC TAATTATAAG GATTCAATGT GTGAGCTTAA GTAGTGAGTT CACAGTGAT
14761 GATAACTTTA AGAATTTAGG TGAATATTAT TAAATTGAGT AAATTAATTC TCAATCTTTG
14821 GATACCTGGA CAATTTCTAA ATTGGAGGGT ACAAATACA AATCACAAGA AACAGTGTAG
14881 TTTTATGCAA ATAACATTTT TACACAGTTT AGAATAACCA TTGATAAACA GATAAGAGAA
14941 CATATGATTG CCTTAGAATA GATACTGTTG CTTTCGCCAC TTTAGATTTG TAAATCACGT
15001 ACTGTATACG TGTGGGCGTA GAGGACCATG CAGGTTTTGG ATGACTGCCT CTGTTTTCGT
15061 CATGCCTATG CGGGAACACA ATTGCCTGCT TTGTTTAAGG GCTATGGTTA ATCCAAACAG
15121 CTCTGACTCT ATCAAGTACT ATAGCTACAG AGAAACACAA GTAAGCATTC GAGATAATGA
15181 CTACCTTGAG CCTTTACTTA TTTAAAAAGT TGTTACTGTT TGTTAATGTG GTACATTCAA
15241 TTTACTATGG ATTGTCACTC TAAATAAGA CTTCAATCTT TTTCTTATTT TTATATAGCC
15301 ATGATTTATA TTCATATCTT AATGTAATAA CCAATCTTCT CTGACAACAT TATAACAATG
15361 CTGGAACCTC CATTTTCAGT ACTTCAAACA ACAAATACTG CTTTATACT TCAGAGCAGA
15421 TGGATATGTG CTTCCCAGTG TAAACACATT TGGAACTCTA CTGAGAAATA CACTATCACT
15481 AAAAATACAG TTCTGAGATT CATTAAAAGA CCTCCAGAAT TCTGGAAGTA GGAAGTTTCC
15541 TCTTCAAAGT CTACAGAGGA AGATGAGGTC TGAAATAGAC AGCTTCTTCC TTCTTTTACC
15601 TGTGGTATTA TTCTGTTTTG TCCTTTTCTC CATTATCTGT CTTTCCAGTG ATGAAATTTT
15661 GATCTGGCCC TCCCAAGTAT TAAAAACAA GCAAATAAAC AAATCTCAGT TATATTTTAC
15721 TAAGATATTG GCATGCTAAC TTTTTCAGG TTTGTAACAA GGACCTTTAT AACTTGACTA
15781 AAAGTTCCTA AATAAGAATA TTTACTAGAA AATTTATTTT TGCCTGTGGC CCACATTTGA
15841 GTCAAAATAA TCAATTAGGA AAAATGAACT TGTTTAACTA AAGTTGACCA AACTGATCTT
15901 TGACCAAAC TATCTTTGAG ACCTATTCAT CTAAGACAAG CCAATTAAAT TCTTGGAGAC
15961 AATTTGTACT TTAAGGAATT CTTATAATAT TTGTAATTAC CCTCATAACT TTTTTTTTTG
16021 CCCTACTTCT GTGCTTCTCT AATATGCAGA TTATTAAATG TTGTTACAAA GCCATTGTCA

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16081 AAAAAACAAA AAACAAAAAA CTAAACAAAC TCACATGGTT AGACTTGCTC CTTTATGAGA
16141 TATTTTTTACC AAAAATGGAG GAGTTGAAAA ACTCTGGTGC CAGAAATCGT GAAGACATGG
16201 CCTACCTAAC ATGGAAATGT TGGTTGTCAG TGGAAAATAC TACACAGAGA TAGCCATAGT
16261 GCTGCACAGC CAATCTTAAG TGTCTCTAGA GAATCACTAA TTGTTTCTAG AGAATCACTA
16321 ATTTGTTTTCT TTTAACATTC TTGGTTTATA CAAGAAGAGA GTATCCATAC TAAACTCTTT
16381 TCTACTGAAA ATAATGTGCA AACATAACAT CCTATTCCCTA GACAGTTTGT AGTTTTTTTTT
16441 TCCCATTTCCT ATTTTATAAAA TCATCTTTTTT AAAATACTTT GTTGAGTGAA ATCAGTCCAT
16501 TGCTTGATAT ACCTTGAGCA CAAGTAAATA GTATGCCAAA AATTAAATGT CTTTCAGTCA
16561 CAGTTTGACA AACTCAACTA CCCTGAGCCT ATAGAGTGGT AATAATTGCC CTACTCATAA
16621 AGATGGGGTG AAGATTAAAT GAAATAGCAC CTATAGAACA CTAGTTCCAG ACGTGGTATC
16681 ATGCTAGTAA AATGGCTGCA CAGCACTGCT CAATGATGAC AAAAAGTGAA GCTTCTGGAG
16741 ACAGACTCCA AGTTTGACTC CCAGATCACC ACATATAAGA TGTGGGACTC TGAGGCAGGT
16801 CATTTAATCT CTCTGTGCAT TAGTATCCTT CTCTATACCT TTACAGTGAT GGTAAATAGCA
16861 CCTACCTTCT AGAAGTATGT GAAGATTAAA GATCCTTAAT GCATATAAAC CACTGTGTTT
16921 ACTGCTGTTT GACAAAATTTT ATTTATAACC ATCTTTACGC TCCTAAAAGG ACTTGAAGCA
16981 GCTTATGACT GAAGACTTTG GTAGGAGTTG GCCTTCTATA AATTATAAGA ATTTCATAAA
17041 TTATTTGATA TGAAAAATGCC AGTTGATCAT AGTATGTTTA CCGGGGTCCA ACAGGTTGAG
17101 AAAAAATACA CTTTTTTTCC CTGAACATAT GAAATTAGCT CTCTAGGCAT ATTCCTAAGG
17161 ACTTAAAGAA TGATAACTAT CATTTCTCTT AAATCTTCCA GATTTGGAAG GATATATATA
17221 TTCAGCACAT TGACAGACAA TCCCAGTAGT CCTAAATTAA AAGACATTAA AAATTAGTGA
17281 AACTTTTCCT ACCTTTAGCC TGTGTAATCC TGGATGACCA AGCATAAAAT TAAATTGAGT
17341 AGAGTATACC ACTGTAACAT TTCCTGAAAG GTATTCTAGG CTCTGAGTAA TTTCTTTGGG
17401 GTCTGAAGAT CAGTTTGACA TATCCTCAAG TATCATGAGT TCATTATAAT TAAGAAAAAG
17461 AGAGTAAATC TGGAGAATGA GCCACTTTCT TACTACTCCT TGACCTCAGT TCTTTTTTTC
17521 AGAGACAGGG TCTCACTTTG TTGCCCAGGC TGCCAGGCTG GAGTGTAGTG GCGCAATCGC
17581 ATCTCATTGT AACCTCCACC TTCTGGGCTG AAGCCATCCT CCTGCCTCAG CATCCTGAGT
17641 ATCTGGAACC ACAGCAGGTG CACACCACCA TGCCAAGCTA ATTTTTTAAA AAGTTTTTTG
17701 TAGAGATGGG GTCTTACTAT GTTGCCCAGG CTGGTCTCAA ACTCCTGGGC TTAAGTGATC
17761 CTCCTGCCTC AGCCTCCCAA ATTGTTGGGA TTACTAGTGT GAGTCACTGT ACCCCGCCCC
17821 ACTTCAGTTC TGAGGAGGAA AAAAATGTGA ATAATAATGG GACTTTGGTT TGCTGATTTA
17881 AAGATTCATG TAACCTTATC ATCCAATGCG CAATTTGTAG AATAATTAA AGAGCATCT
17941 GGTCTCATGT TTCTACAGTT GCTCATGCCT TGATAGTAGA TCTCCTTGCT GCTGGCTCAG
18001 AAGGGTAAAA GAGCAGAAAT GATGGGGCTT CTCTCATTTCT ATGAGGAAAT AGACCTATGT
18061 AGAGGAGGCT ACCTGTGGTA AAACCTTATC CTCATCACTT AAAATTCTAG GCTTATTCTC
18121 TGACCATATC AAGTTTTCOA ATGGTAAAG AATTGGATTC AAGAGAAATA TGAATAAACT
18181 TTTGTTTTCA CTTTTCTCCC TCCTCTCCCC CCATTCTCCC TTCCTTTATT TTCTTGTCT
18241 TAGTTTTCTT TTTACTTTTT TGTCTACTAT TATTTGCCCA AACTCACTG TAGGCTAGAA
18301 CAAAAAATAA TTGAAAATTA AAATGTGCCC CTTTTGTTGT TAGACTTGCT TAAACAATTG
18361 GGGTAATGAA CCTTGACAC TAGATTTTAA AACACACACA TTTGAGCTTC AGTGCCTGA
18421 AATAAATATA TTTTAAACAA TTAATAAATA AAATTGCATG TTTAAAAAAT CTGCAGAGAA
18481 CAATACACGT TGTGAGATCT TGAATGGAAG GAAAACCTGCT AGCCTCAAGA GTGGATCAAA
18541 GATGCTCAGC AGGCAACAGA GTAAGAGCAT GTTGAGGGT TTAGAGAGTG TGCTCAGGGT
18601 TCTAGGCTCT AAAAATCAGA CAGTCCCCAC GGCCTGGCCT TCGTCGCTGT ATCTTCTTTA
18661 TGAAAAACAC TAAGTCTTTT TCCTCACTGG ATAAATTTTT ATCCTTCAAG TTTAGATCAA
18721 ATGGAACTTT AGGACACTGA CTAGGTTACA TTCATCTTTT AAGAGCGTAC AGACATTCAA
18781 GGGCTAGAGG ATGTGGGTTT ACTGCACAGG CTCATTATCC AACAGCTGTG CTACCTGGGA
18841 AACTTAACCT CTCTGTGCTT TAATTTCCCTC ATCTATAACG CAGGGAGAA AGCAGTAGGT
18901 ATCTCATAAG GTTGTGGA CAACTAAATG CATTGGTATC TATTGTGTAA AGTGCTTAAA
18961 AACTGCCTG GCACAGAGCA AACATCCAGT GAACTTTAGC CATCATCATT ATCATTGTTC
19021 TCAGAGTCAA ATACAATATC TCATATCTGA TAAATTACAG AAGTGAATCA ATCACTCTCT
19081 CTCTTTTCTC CAGGGGGAGA CAACAGCTTT TAGACATATC TTTTCCAACA GTCGTCCTG
19141 CTGGACACTG TTTTATCTTG CAAATAAACC AATGAAAATG AGTGATCCTA GAAGAAGATA
19201 AATGGAGGTA TTTTGAACAA TCAAAGAAGG ACAAATGAAC ACCTGGCTGA GAAAAATTAG
19261 CTCTTTTTTTC TATGCATAAA ACTATTAAAA TATTCTTCAT AGAAATTTAT GACACAGGAA

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19321 ACATAAAGAC AAAATTAAAA TAACTCCTAG TATCTCCTAT TCTTTTTATA TGTATATTAT
19381 ATATACTCAT ATTCATATAT ACATATATCT CACATCATGT ATCATATATA AAATAAAATTT
19441 AGGTGTCATG ATATATATTT AGATAAATAT ACTTAGAAAC TTTTTTATGG ATGTATAATT
19501 TATGGATATA TTGATAATTA TGTATTTGTT ATTGACTACT TCAATTGATT CCCATTTTTA
19561 TGCATTATAT TATAGATTAT ATAGCTCACA CATCTTTGTA CATAAACTCT TGTCAAATA
19621 TTATTTTCTA AGGATAGACT TCATGAAGTG GAAATACTAA ATCAAAAGTG AAAACATTT
19681 TCTAAGGTTT TTAACATATA CATTGCCAAA TTGCTATTCA GGATCATACC AATTTATAAT
19741 CCCAAAATAA TATGGAAATT CCTGTTTTAT AGCACTCATA TTTACAATAA ATTTTAAAAA
19801 TCACTGTTAA CCTAATAGTC CTTCAAAAGA AAAAAAATTT GAAATTACAT TATTTTAATG
19861 ACTCTATTAG TGAGGGTCAT TCTTCCCATG TTTCTTGTTA GCCATGACCC TATAAGAAAT
19921 AAAGTGCATG GCAAAATGAT AAACATGACA TCAATCATTA CATGGGAAGG CACTATATAA
19981 AGAATAATAC CTTAGGTTAA GGCCACATAA ATATTTATCA GGTGCCTTTT CTGCGGAGGA
20041 CTCTGAAGGG ATACTAAACT GCATTTAGCT GCATGCAACT GAAACTACTT TTACCTACAT
20101 TGTCTCTTAT AAACATTATA ACTACTCTTT GAGAAAGTGT TTACTATGGA CTGAATTGTC
20161 TCCCCATCCC CCCAAATTCA TATATTGAAG CCATAAACCC CAATATGACT CTATTCCTAG
20221 ACAGGACTTA TAAGAGGTAA TTAAGGTTAA ATGAGGTCAT TAGGATGGGT TCCTAACGG
20281 ATAGGATTGG TGGCCTTATA AGAAGAGGAA GATTCTGCAC TTGGTCTTCC AAATTAAATA
20341 ATTTATTTAA AAGAAAAAAA AAAAAGAGGA AGAGAGGGAG CTCTGCACAT ATACTGAGGA
20401 AAGGCTATGT GAGCTCTCAC AGTGAGAAGG TAGCACTCTA CAAGCCAGCA AGAGAGCCCT
20461 CAACAGAATC CAGCCATGCT ATACCCTGCT CTGAGACTTC CAGCCTCCAG AACTGTGATA
20521 AAATTTTGTT GTTTAAACCA CACAATCTAT GGTATTTTTT TATGGCAGCC CAAGCCAACA
20581 AAGACAGCAT CATTGCTGTC ACTTACAGAC AAGAAAAC TAAGACTAGGAG AGAGAAAAGT
20641 TAAACTTGTC CAAGGTCACA AAAGCCAGAA ACAAGTGAGG TGAGAAAGTTG ACCTTGTCT
20701 CCTCAATCCA AGGCCAGGAC TCCTCCACTC CACATGTAGA TAGCCACCTC ACAGTCAACA
20761 GCCAAATGTC CACACCCAG AGTCAGCATT AGACCAAGAT GTCTTACCAG GAGACAAATG
20821 CCTCATCTTG AATAAATATG ATCTAACAAC TTACCCATGT AAAACATTGA ATCTCATGAG
20881 AAACAAAAAT GCAAAGTATG TAGAAAACTA TGTTTACCAC TTAAGTGACA GTGATAAAAA
20941 GCTTAATGAT ATCCTTATAG TCTTGAGGG GTTTGTATAT GTGGTGAAAC AGGTGCTCAC
21001 GCACCTGCTA TAGACTGTAA ATTGGTCCTA GAGAGAAAAA TAAATAAACT GGAAGGAGAT
21061 ATGCTGTATG TTTACTTTTT TTATGGAAAC ATATGATATA CCTGGAAAT CGATTGACCA
21121 TGCATCTATT TCTTCAATGG GTATGCACAG TTGAGCTGTT CCCATGCACC AGGCATGTA
21181 ATGGGACAAC TGCACATGAC AGTCAAAAAT CTCAGTCTCA TGAAGTCGAC ATGCTCATGG
21241 AGAGGTGCTA CCCACTAAAC TAATATTTGT ATATCAATTA TGGATACATT GGGCCACATT
21301 TACAGAAATT CACTTACAGT GGGTTACCAG AAGGGATTTT TTTTCTTGAT TGGCAAGAAG
21361 GCTAGGCTGT TTTGTTGGGG GCTGGCAGGA GCTGTCTAGG CTGCCCAGT ATGCAGGTCT
21421 CTTCTATCAT CCTGTGTTAA CCATCTTCCA TGTATCTTTC AACCTCATGG TCATCTGCAG
21481 CATGTCTAGG GGTCAATATCT ATGTTCCATG CAGGAAAAAA GGGTAAAGGG AAAGGGAAGT
21541 AGGCATGTAC CATTTTAATG CACACCTGG TTTTCAGAAA ATTTAAGAAG AAAGACTTTC
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21661 TCTAATGTTT TTCTCTCCTT GCTTTCAAAA ACTGACTCAT TAACCTCCAC GTGGCTTGGA
21721 AAAATTATTT CAGTCATCCA GTAATGAGCT GTTCATAGAA ATGTTTTGGA CATCAAGTCT
21781 GTGTTGTTAG CATTATACAT GTTAAGCATT GAATAAAAAA CAACATGATG TGGGTAAATT
21841 TCTTTACTTA CATATAAGTA CTTATATACT TATAGCTGAA AAGAGAGGTT GAAATGTCAG
21901 GTGGAACAGA AATAAGATTA CCTAGATGTT TCTCCTATGG GTGATTTTCA GCTATGCTGA
21961 TCTTTCTTCT GGGTCAGGTA CTCCCAGAAC TTCCTAATTA AATGGTGGCC CTGATCTTAG
22021 TTCTCTCTCT CTCTTAGACA TTTTCCAGGA CTACAGAAGA TGTGCAGTTT ATAAATGAGT
22081 AGCAGAAACC TACTGAACAA ATTATTCAGG CTCATCTGAA CAGAGAGGAC ACCTTCTCTG
22141 CTATACTCTC TCAGTGATTT CCCTGCCTTG GGGTCAATTA TTGTCTTGGA CATGATTTA
22201 AGCACATAAT AATTGTTGTC ATTGCTTATG TTTGGATTTT ATCTCCCAA ATAGATGGTA
22261 AATTCTTTAG TTTAGAGACC AAGTAATACT TAAAAAAA TTTTGTGTGT GTGTGTGTGT
22321 TTTTCTGTG TCTCTCAGCC CTGTAATAGC ATCGTACTTA CACTTGTTAG ATTTTTAGAG
22381 ACAACTTTTA CAAAACATGG AATTATCTAC ATACCCTTTC TACAAAACAG ACAAATTA
22441 TACTCAGTAG TTGAACCAA AAAAGCAGTT CAAATAAAAT ACTTGAAAT GAAGAAATCA
22501 TTTGAACAGA GTTAAAGTTA ATCGTAAAT AATGTCTGTA AAAATTATTG CCAATCAAA

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22561 ATAAAGTTCA AAAATAGTGC TTGAAAAAGG AAGAATCATA TGAAAAGGGA CTACTCATT
22621 TAAAAATGTT AGATATCAGG AAAAGCCAAG AAGTGAGTAT GGTAAGAGTG CTGTCAAGTG
22681 AAACCCTGCT AATCTCACTG AACATGTAAA AATCTGTAGA TGCCTTTATT TTATTCACTC
22741 ACACACATAT GTAGAAAGAG AAATATATGG TAAACATTAA AAAAACCAAA TTAGAATGTA
22801 AAATTAATAC TTTAAAAAAT GGGCTGTATA CTTTTCTTAT CACCGGAGAT AAGAATTTAT
22861 TATTTTAAAT ATAAAGTTAT TTTCTCTGTG ACTGTTTCCA TGACTTTGCT ACTTAGAAGT
22921 TAGAGATGCC AAAGTTTATC TAAGAAAATG TTTATGGAAA TATTATTTCA ATAATGAATG
22981 TTTAGAAGAC TGAATTTTCT GACTGGGCGC AGTGGCTCAT GCCTGTAATC CCAGCACTTT
23041 GAGAGGCTGA AGAAGGAGGA TCGCTTGAGT CCGGGAGTTC AAGAGCATCC TGGGCAACAC
23101 AGCGAGACCC TGCAGCAAAG TAAAAAGAAA AAAGAATTGA AAAAGGAAGA CTGAATTTCC
23161 TTTGGGCAAG TCATGTGACA TTCCTGTGCC TCAGTTTCTT CATCTATAAA GTTAATTCCT
23221 ACATTTTGGG GGAAGGGAGA GAAAACTTA GGATAGTGAC TGGCACAGAA GAAGCACTAT
23281 ATACTATATA TATGTGGATA TCATTTGTTT TTATGGTACC ATTTTAGCTA TCTAATGCAA
23341 AATATGAATC TTTTTTTTCT GGTCTTAAA TTATGGAATG TAAGAATTTT CTAAATCTC
23401 TAATTCTGTG TTAGTTTTAA AGCAATGGAG TAACGTATCT GTCAACTTGT AAATATAAGG
23461 ATCAACCTGA TCCACAATTT GACCCCTAGC CACTAATATT TAATAGTACA AACTCAGAA
23521 ATTATCAAAG GTCAGAGAAG CCAAACAAAT GTAAAAACAT ACAGGTGCTC AGAAAGATGC
23581 ACCTGTAATC TCTCTAAGGA GAAATATTTT CCAACTGAG TGACACGGTG CTTTAGTGAG
23641 TTGTGGAATC AATCTCATGA TTTCCAACCT AGTGTCTTTT TAAAAATGAA CTAGTCCACA
23701 GTAGAATATA CTAAAGTGCT GGTGCTTAAG ATAGTATTGT TTTCTGGAAA AAAAAAAAAA
23761 ATTTTTTTTT TTTGAGACAG GGTCTCGCTC TTGCCAGGC TGAAGTGCAG TGGCACAATC
23821 ATGCTCACTG CAGCCTTGAC CTCCTGGGCC CAAGTGATTC TCCCACCTCA GCCTTTTGAG
23881 TAACTGGGAC CACAGGTACG TGCCACCACA CCCGGGTAAT TTTTAAATTG TAGAGACAGG
23941 GTCTTGCTAT GTGCTTAGGC TGGCCTTGTT AACTCCTGGG CTCTAGTGAT CCACTAGCCT
24001 CAGCCTCCCA AATTTATGGG ATTATAGGCA TGAGCCACCC TACCTGGCCT GTTCCCTGAA
24061 TTTTTTTTTT TTTCAGGTGT TTGTGCATAT GTGTGTGTGT ATGGGTATAA CAGAGAGACA
24121 GAGAGAAAGA AACTTTTCTA TCTCACTTTG CAATCAGAAG TTTGAAGTCT TATCTTTTGG
24181 CTTTGTGTTT AGAAATATTT CAAATGTAGA CTCTCTCCTT TACCACACTG TCCCCTTAGG
24241 CAAGGTCTTT GCCATTCTTC TGAGACTATT GCAACAGACT CCCAATTCT GACTGTGGGC
24301 CCTTCTCAAA AATGATTGTT TATGCAATAA ATCTAAACCC AAGACAATA CAACAATACA
24361 ACAAATTCTC TGCTTAAAAA CTTCCAATGT CTGCCGGGCG CGGCGGCTCA CAGACTGTATT
24421 CCCAGCACTT TGGAGGCAGA GGCGGGCAGA TCACTTGAGG TGGGGAGTTC GAGATGAGCC
24481 TGGCCAACAT GATGAAACCC CATCTCTACT AAAAATACAA AAAATTAGCC AGGCATGGTG
24541 GTGGGCGCCT ATAATCCCAG CTAATTGGGA GGCTGAGGCA GGAGAATTGC CTGAACCTGG
24601 GAGGTGGAGG TTGCACTGAG CCAAGATCAC ACCATTGCAC TCCAGCCTGG GCAACAAGAG
24661 CAAAACCTCT TCTCAAACCA AACCAAAACA AAACCTCTAA TATCTACCAA ATGTTTCACA
24721 CAAGTATTTG GGGATCTTCA CAAATGGCCC TTATGGAGTT TTCCTTTGCT GAGACCCTAT
24781 GCTCTGGCCA CACTAAACTC ATTCAGCATC CCAGAAAGGC CTCAGCCTTT GTGAGCAAGC
24841 TCTTATCTCC AGGCCTCTCA CAAAGACCTG TTCCAGTAGA AGCTCAGGGG AGCACACTGG
24901 ACATTATTCC AACAACCTTT TCCCCACAGC TATGCAGCCA AATCTGCCAG CTCAGTTAAT
24961 TAATTAAGCA ATTCAGAGAT GAGGGTCTGC CCAGGCTGGA GTGCAGTAGC TGCGACCTCA
25021 AGCTCCTGGG CTCTAAGTGA TCCTCTTCAG TCTACCCAGA AGCTGGGACT GCAGGCATGT
25081 GCCACCACAC CCAGCTAATT TTTTTTTTTT TCAGTAGGGA CCAGGCCAAC CTAGTCTTGA
25141 ACTCCTGGCC TCCAGCCTTC CGAAGTGCTG TAATTACAGG CATGAATCAC TGCGCCAGC
25201 CAACCCGCCC AGTCTTGTTA GACATGGGGT CTGTAGTTTC TAGTAGGTTT TTAGTCTAG
25261 GGTTCTTACC TCATGTTTTA TAGTTAATTT AGGGGAGGGA CTGTGTCTGT TTATCTGGGG
25321 ATGTAGGGGT GGGCAGGGGG ATAGAGGGGA CTTCAATTAA TGAAACCAGA AGCAAAACTC
25381 AGTTGAGGAC ACCGGTCATG AGAGTGGCCT GATTATGGCC AATCTTACAT AATGTGTAG
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25501 TTTAATTACA GACAACCCAT GTTCCTGTGG ATTATGATTT ATTAGATTGC ACATGCCTAA
25561 ATAAAGACAT CCTCTGCAGT CTTTGTGAAA TTCTATAAGC ATCTTCTGAC TCCGCAATTA
25621 GACAGCTAAG AGATCTGTGT TACTTCCCTC ACATATATAA ATAATTTTAA ATAAAAATCA
25681 TGGCGTGAAT AATTTCTTTC CTCTACCGAT TTGAAGCTAT CCATTTGGAA GACCACTCTG
25741 AAGAGATGAA ATAAGTCTTC TGCCAAAGAT TACTTATTAA TTTACAAGGA AAAGGGGAAG

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25801	TTTTGTTCCCT	CTCCGTGAAT	TTGATTGAAA	ATCGAGGGCT	TTCTCGAATA	GTTTTGGCAT
25861	CCAGGGTCAT	TTTTTCATTAA	AAAGAGAAAA	GTCATGTCAA	ATATGAATTT	CCGCAGATTA
25921	TTCAGCACTA	GACCCTGGGA	GATTCTGTAA	AGAGGGGTTT	TGTTATACTC	AACTTTTCCG
25981	GGTAAACAA	ACACAAATAC	TCCTCCTCCA	AGGGGCGGGG	GCGGTGCCA	GGTGATGCAC
26041	CAATCACAGC	GCGCCCTACC	CTATATAAGG	CCCCGAGGCC	GCCCGGGTGT	TTCATGCTTT
26101	TCGCTGGTTA	TTACATCTTG	CGTTTCTCTG	TTGTTATGTC	TGAAACCGTG	CCTGCAGCTT
26161	CTGCCAGTGC	TGGTGTAGCC	GCTATGGAGA	AACTTCCAAC	CAAGAAGCGA	GGGAGGAAGC
26221	CGGCTGGCTT	GATAAGTGCA	AGTCGCAAA	TGCCGAACCT	CTCTGTGTCC	AAGTTGATCA
26281	CCGAGGCCCT	TTCAGTGTCA	CAGGAACGAG	TAGGTATGTC	TTTGGTTGCG	CTCAAGAAGG
26341	CATTGGCCGC	TGCTGGCTAC	GACGTAGAGA	AGAATAACAG	CCGCATCAAA	CTGTCCCTCA
26401	AGAGCTTAGT	GAACAAGGGA	ATCCTGGTGC	AAACCAGGGG	TACTGGTGCT	TCCGGTTCCCT
26461	TTAAGCTTAG	TAAGAAGGTG	ATTCCTAAAT	CTACCAGAA	CAAGGCTAAA	AAGTCAGTTT
26521	CTGCCAAGAC	CAAGAAGCTG	GTTTTATCCA	GGGACTCCAA	GTCACCAAAG	ACTGCTAAAA
26581	CAATAAAGAG	AGCCAAGAAG	CCGAGAGCGA	CAACTCCTAA	AACTGTTAGG	AGCGGGAGAA
26641	AGGCTAAAGG	AGCCAAGGGT	AAGCAACAGC	AGAAGAGCCC	AGTGAAGGCA	AGGGCTTCGA
26701	AGTCAAAATT	GACCCAACAT	CATGAAGTTA	ATGTTAGAAA	GGCCACATCT	AAGAAGTAAA
26761	GAGCTTTCCG	GGAGGCCAAT	TTGGAAGAA	CCCAAAGGCT	CTTTTAAGAG	CCACCCACAT
26821	TATTTTAAGA	TGGCGTAACA	CTGGAACAA	GTTTCTGTGA	CAGTTATCTA	TAGGTTTAAG
26881	TTGTGATGCA	GCTGAGTTGA	AAAGGCTTGA	GATTGGAGAA	TTAATTCAGG	CCAGGCTTCA
26941	AGACCATCCT	GGGCAACATA	GCCAGACTAC	CATCTATACC	AGGGGTCCCT	ATTTCCCCGG
27001	CCACCGACCG	GTAACCGGTC	CCTGTCCATG	GCACGTTATG	AATTGAGCCG	CACAGCTGAG
27061	GGGTGAGCGA	ACATTAACCA	ACTGAGCTCC	ACCGCCTGTC	AGGTAGCTG	CAGCATTAGA
27121	TAGATTCTCA	TAAGCTCAAA	CTGTATTGTG	AATGGCACAT	GCAAGGGATC	TAGGTTTCAG
27181	GCTCCTTGTG	ACAATCTAAT	GCCTGATGAT	CTGAGGTTGG	AGCAGTTTTA	GTCCGGAAAT
27241	CATTGCTCCC	AGCCCCTGCA	CCCCCTGGTC	CGTGGTATAA	TTGTCTTACA	CAAAACGGTC
27301	TCTTGTGTCA	AAAAGGTTGG	AGACTACTGG	TTTTACAAAA	AAGTAAATTA	GTCAAGCATG
27361	GTTGGCACGC	TCCCTTAGTC	CCTGCACCCA	GGCGTTTAAG	GATACAGTGA	GCTATGATGG
27421	TGCTACCTCA	CTCCAGCCTG	GGTGACAGCG	AGTCAGACGT	TGTCTCAAAA	CTTAAAAAAA
27481	AAAAAAGTTA	AAACAGAAAA	AGGGCTTCTT	GTCAGAGACT	GCCGTATATC	TAGAGGTCCA
27541	GGAACATAAA	AGTCTGATGT	CCAATCCTGA	AAAGCTCGAT	GGTGCCTAG	AGGAGGCTTT
27601	TACATTGTAAG	AGCATCTAAG	TTCTGGAAAT	GCCAGTGTCA	GGGAAGGGAA	GTGGAGAGCA
27661	ATTTGGCATC	CAACATAAAC	TTGTGATATC	TTTTTTTTTTT	TTTAACACAA	GTAACATTT
27721	CTAGTCTTTC	TGTGGTGTCA	TTGTAACAT	TGTTTCTTAA	TATGCTATCC	ACTGACTTCA
27781	AGGGATCAAT	AAATAGGAAT	CAAGGTGTCC	CAGAAATATG	ATTAGGGGAG	TTTTTTTGT
27841	GTTGTTGTTG	TTGTTGTTT	TCATCTATTC	ATTATCCTGT	AGCTGAAATT	TAGAATTTTC
27901	TTCCATTGTG	TGTGACTGAT	AGAAATAACA	AATTTGTAGG	TTATAGTTGT	TGCAAGAATC
27961	TGGAAATCGT	GCTTGCTTAT	TTCCGAAGTA	CTATTAGGTA	TATCAACAAA	AACACACATA
28021	TTACGGTCAA	GTGGTTTGAT	AATTATTTTA	ATATTATTGG	TCTAATACAA	TTGTAACCTT
28081	ATGAATTACT	TTAAGTATCT	TATTTATGAA	AAGAATCTGT	AAGTTTCATC	AGACTACCAG
28141	AGCATACCGA	AGACTGAAAA	ATTTTAAGAA	TCCAAACCTT	AATGGAAATG	TTGGAGGCTG
28201	CCCAATTAGG	TTCTGAATTC	CACCTTCCTG	AATCACAAAC	TTGTTTTAAC	TCTCAGTCTG
28261	AGGTAAACTA	CGTTTCTCTT	TAAACAGACA	TAGTTTAATT	TTCTTTTGAT	TTTTGATTTA
28321	GTATTCTTAC	TGATCATCAT	AAATAACCAA	TGCTAATGTT	AGTCTACTTT	GGACCATGGT
28381	ATTTTCGAGAA	ACTTTGAACA	AAGTCCCCTG	CAAAACTATG	CATTGCATTA	TTTCACATAC
28441	ATTTATGTTT	TCCAGACGGT	TCAATAGTAC	CTCACTTTTC	TGAACCTATT	TGTATAGTTT
28501	GGCATCTTTT	TAAAAATTGT	GTCCATAAAT	GAAAGGTTGT	AAACATTATG	TTTTAAATTT
28561	GTATAGATAA	AATCAACCAC	AGACCTTTCC	TTGCTTGGAT	GTAATTGCCA	TTGTTTCCCA
28621	ATGAGTTCGG	AATTACTAGG	ATTGTGCAAA	AATATGCCTC	ACTTGCCTGA	CATAGCAGAG
28681	AGCCATTTTG	CCTAAATGCT	GTGCCCAGCA	ATGGACTGTC	ACCAGATTCT	CATCAGATAC
28741	AGTGAGGATG	AACAACTAGC	CTCTCCCAGC	AGCTGGCCGG	TCTCTCAATA	ATATGGGACT
28801	CCCTCAAGAT	GGCTTCCTGC	ACCTTTGCTC	CTCTAGCCTT	GTATGTATAC	AAGGCTAGCA
28861	TGCCTGGCAT	ACATAAGGTT	AAAAACAAAA	TCAATAAGTT	ATGGTTCTTC	CTCCAGTTCT
28921	GGGGATTATT	AGACCACTTT	TTTGTTTTTGT	TTTGTTTTGG	ATGGAGCCTC	GCTCTGTCAC
28981	CCAGGCTAGA	GTGCAGTGGC	ACAATCTCGG	TTCACTGCAA	CCTCTGCCTC	CTGGGTTCAA

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29041 GCAGTTCTCT GGCTCAGCCT CCCACGTAGC TGGGATTACA GGTGCCCCGCC ACCACGCCCCG  
29101 GCTAATTTTT GTATTTTTTAG TAGACGGGGT TTCACCATCT TGGCCAGGCT GGTCTTGAAC  
29161 GCCAGACCTC GTGATCCACC CACCTTGGCC TACCAAACCTG CTGGGAATAC AGGCGTGAGC  
29221 CACCGCGCCC GGACTTAGAC CACTTTGTTT TGGCCAATAG GACAACAGCC ATAGAACCCT  
29281 CCGCAAATGA GAGCTTGTC CTAAGATGC TTTATTTACA TAGCTGTGTG CCGCATGAGC  
29341 CAAAAGGTGA TAACCTTTGT TCAACACGCG CCTCCAGCCC TTCGGTTAAG TCCAAAGTAC  
29401 CATTCTTAGA ATGCTCTAAA ATACATAATT TTTTTTTTTT TTTTTTTTTT TTTTTTTGAG  
29461 GAGTCTCTCT CTGTCTCCCA GGCTGGAGGG GAGTGGCGCG ATCTCGGCTC ACTGCAATCT  
29521 CTGCTTCCGG GCTAGCTGGG CCTACAGGTG CAGACCACCA CGCCCCGGCTA AGTTTTGTAT  
29581 TTTTTTTGGT AGAGGGGGTT TCACCATTTT GGCCAGGCTG GTCTCGGATT CTTGATCTCA  
29641 AGTGATACAC TAGCTTTGGC CTCCCAAAGT GCTGGGATTA CAGTCGTGAG CCACTGCGCC  
29701 CAGCAAAATG CTTTTTGTGG AGCCAATCAC TTTATTAGCG CTTACCTCTC TATGCCCTACT  
29761 TTATGCTTTG AAATTTTGTG ACAGTGTTGG CGGTCATGGC AAACACAATT CATTCTTATG  
29821 CAGGATGTCA CGGTTATTTT TGTCATCCAA ACTCATTCTC GCAACGCATT TCAGCTCTTT  
29881 AAACGACTTT GTGAGCGGCC CTGAAAAGGG CCTTTGGGTT TTTTTGTTTT TGTTTTTTGA  
29941 AGTTCTCAGG AGACCGCGTA TTCTTAGATT CAGCCGCCGA AGCCATACAG AGTGCGCCCC  
30001 TGACGTTTTA GGGCATATAC TACATCCATG GCTGTGACAG TTTTGCGCTT GGCGTGCTCC  
30061 GTATAGGTGA CGGCGTCTCG AATAACGTTT TCTAAGAAAA CCTAAGCAC ACCTCGAGTC  
30121 TCCTCATAGA TAAGACCGGA AATGCGCTTG ACGCCACCGC GCCGAGCCAA ACGGCGAATA  
30181 GCCGGTTTTG TAATGCCCTG GATGTTATCC CGGAGCACCT TACGATGGCG CTTAGCACCA  
30241 CCCTTCCCCA AGCCTTTTCC GCCTTTGCCG CGACCAGACA TGATTCCCTAT CGCAGTGGA  
30301 GGTATGAACT GAAACAGTTC CTTAAATACA AACTTGGCGG ACCTGATTGA AAACAACATG  
30361 AGTTGGCGCG GTTTTTTTTT TTTTTCAAAT TTGGTCACCA AGTGGGTGGA GCAAGAAAAA  
30421 CTGTTTCATT ATGGTTTATT GTTTTGATTG GCCAGTGACA GCTTGCTCTT TGTGGGAGTG  
30481 GAAGGGTGTT TGCAAGTTGA ATGCGCTGTA TTCTGTCTAG CTTAATGACG CTAAGCATAG  
30541 CCCCATTTCA CATTTCTTTT TATTTCCACT TGCTAACTAA TAAATTACGG AATAGTTTAT  
30601 TGGGGAACAT ACAAATAATG TTAAAGGAG GTCAGATTTA TAGGTCAAGG GATTTACCCCT  
30661 CCCAATCATT TTAATATTTT TATTTAAACC AGGCATTTTG ATGGCCTTCT CTGTGCTGGA  
30721 CAAGGTATAA GTTTGGCTAT GAAGTTTCAC TCCTAAAGAC CCTATGTTTT GGGAAGGCAA  
30781 AAAGGTAGCC AAATAATTGC AAATAAAAC CTCATAAGTG CAAACTTCTT CCTCGTCACT  
30841 TTCCCTATCT CGATTCAAAT ATTTGTTGAA TGACTCATT TTTCTGCAAA GTCTGAGAGA  
30901 GACAGGGAAT ATAAACTTAA GTCTGGATAA TATGTTTTCC CGGGACGCAA TTCTTGTTCT  
30961 GCTGTGCCTG TTTGCTGTGC CTGAAATTCC AAACACTCTT CCCTTCCCTC CGTTTTTAAT  
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31081 AATTGAAGTG TAGGGCTAAT ACTTGATTAA GGTCATTACA AAATCTACAG GGTCTTCCTC  
31141 TGGGAGGTTT TTGTGATAAG ATTATTGGTG TTAATAAAG GCTAATCCCC TTGAAAAATA  
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31441 TGAAGAGAAG AAATCCAGGA ATGGAGAAAA AAGACCCAGG AAAGGCCAGA ATGCTCTACA  
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31561 TTCTTAGGTT CTTCCACTCA CTGTCCACAT GCCACAACAC AGACCTTATA ACTAGAGACT  
31621 TAGCTAGGAA GAAATGTCAA ACATTACAGA GAAAAAATGC AGAGTCTGAG ATCATAAGTA  
31681 AAATCTGAA ATCTCAACAT GCCTTTTAAT TCATGAAAAT AAAAAATATA GCAGCATATG  
31741 CAATATGACA ATTCTCTGAA AACATACATC ATGTGAACTA CCCTGGAACA CATCTCGCCA  
31801 AGTGCCATCT TCATTTTAAC CAGAGTCTTA GGATGCCCTT CTTTATTTT GCCATTATA  
31861 TCATTTATAA AACCCCATTT TTATTTTGAT ATTTTATTTA CTTTCTATTT CCTGCTCCTA  
31921 ATATCTCCTT TCTAAACTTT TCTCAATGAC AGTGACTCAA AAACAATGAA TGTGAGAACA  
31981 AATATTTAAA GGATCTGTAC ATGTAGATAT ATATATTTAA AATGGATTCT TCCACTCTGC  
32041 GAAGAATTCA GGCATACTCA ATCTTATGGT TAGGGAGAGA TTAGGCTCAC TCGCCTAATC  
32101 TGTATGGCTT CTCGTTGCTT TTCCATTTCA CCTTCCTCTC ACCCATCAGA TCAAACTCAT  
32161 TCATTGAACA AGAGACCTAA GCCCTTCAGA TTAAACTCT GCAAACAAGT TGTGGTTGAG  
32221 AGGATACATG AAGCATTCAA ACAAATAAAT CTATGATATT AATCAGAGGT TAATCTATGA

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32281 TATTAATCAG AGGTTAATGC AGTGGCTCAC GGCTGTAATC CCAGCACTTC AGGAGGCTGA
32341 GTTGGGAGAA TCGCTTGAGC TCAGGAGTTC AAGACCATTT TGGGCAACAT AGCAAGTCTT
32401 CATCTCTACT TAAAAAATAA TAACCAGAGG TGTATGAAA ATATAAATTG TCCAGAATA
32461 CCCTCCACAA ACTAACTCTC TCAGAATATT CGATATGAGG AATGAAATAT GGTGTGTGTG
32521 TGTGTGTGTG TGTGTGTATG TGTGTGTGTG TGTGTGTGTA TGCACCTATA TATGGCACCT
32581 ATATATTCAA CAAACAATTC TGATAATTGG CCAGGGTTGA GAATGACTAG CAGCCCAGCA
32641 TACACTATCA GTTTTAAGTA TATAATTGCG CTTTAGTAAA ATGTAAAGAA ATCCCAGAGT
32701 AGAAATACTT TTAAGCTATA TTACAGGTGA GAAAATGCAT AAGTATAGTC TCACCCAAC
32761 TAGACTATGG GGGCTTTATA ATGTCACAAC AGTTGTTTCC AGGCATTTGG GGACATCACC
32821 ACTGGTCTTG GGCAAGAAAC TCCTCTAGCC AATGGCTGAT TTATCTCACT CCCATCTAAG
32881 GCTTCACTGC ATTTCTCTTT TTCAGCAACC TAACTTATTT AAAAATATCC ATTTTCTGAT
32941 TCATTTTTTT CTGAATTAAA CTGTCAGTAC CATTGGCACA CTTTGGTTTC CGTAGCATAC
33001 CTGTGTCTCT GCTGTGTTTT TTTTTCACCT CCACCTCTTA CTTTCTAGA AAAAAATCTC
33061 TGTGTTTTCT TTTTCTTTTA AATTATTTCA CAAAAAGTTT TCTTGACTTG CACTTCCTAG
33121 GCTTGCTGTC CTTGTGTGGG CACGCTCCCA TAAACACTAT TAATACACTT CGATTTGTTA
33181 AAAATAAAGA TATCTGGACA GAAAATTTCT TTTCTTTTTT TAAGATTTTA AAATTTTTTA
33241 TGTTTATTTT TTTCTTAGAC TGGAGTACAG TGGCACCATG ATGGCTCATG GTAGCCTACA
33301 CTTCCCCGGG CTCAAGTGAT CCTCCACCT CAGCCTCCCA AGTAGCTGGG ACTACAGGTG
33361 TGCACAACCA CACCTGACTA ATTTTGTTTA TTTGTTTGT TTTGTTTTTG AGATGGAGTT
33421 TCGCTCTTGT TGCCAGGCT GGAGTGCAAT GCGGGATCT CGGCTCACC GCAACCTCTAC
33481 CTCCAGGTT CAAGCAATTC TCCTGCCTCA GCCTCCCGAG TAGCTGGGAT TACAGGCATG
33541 CATCAACACG CCCAGCTAAT TTTGTATTTT TAGTAGAGAC GGGGTTTCTC CATGTTGAGG
33601 CTGGTCTGGA ACTCCTGACC TCAGGTGATC TGCCCGCTC GGCCTCCCA AGTGCTGGGA
33661 TTACAGGCGT GAGCCACCAC GCTCGGCCAC TAATTTTGTA TATTTTGTAG AGATGGGCTT
33721 TCCCTGTGTT GTCCAGGCTG GTCTTGAATT CCTGGGCTTA AGTGATCTGC CCACCTTGTC
33781 CTCCCAAAAT GCTAGGATTA CTGGCGTGAG CCACCAGGTC TGGCTGGAAA GATAATTTCT
33841 AACATTATCC TCTCTTAAAC ATTTGTTTCA AAAATTTTAC AAACATGAGA GTAATTAAT
33901 TTGATTTTCA AAATTCCTT GAATACTTTC TTAATAGCAC ACAGAAAGCA CAAAGTATTT
33961 TACATTTGTT TTAATGATGA AATTGTGAAC CCAAACCTAC ACAAAGAAAA ACCCGTAACA
34021 TTATACCAT ACTTAAACA GATGCCCTCA TATACATAGT AAAACTCTTG GGGGCAGTAG
34081 TGAAGTTGGT TATTACTGT TTTATGAAAG TGCCATTGAG CCGGGTGCAG TGGCTCATGA
34141 CTGTAAATCC AGCACTTTGG GAGGTGAGG CAGGCTGATC ACGAGGTGAG GAGTTCAAGA
34201 CCAGCTGAC CAAAATGATG AAACCCTGTC TCTACTAAAA ATACAAACAT TAGCTGGGCG
34261 TGGTGGTGTG TGCTGTAGT CCCAGCTACT CAGGAGGCTG GGGCAGGAGA ATCGCTTGAA
34321 CCTGGGAGGC GGAGATTGCA GTGAGCCGAG ATCGCACAC CGCACTCCAG CCTGGGAGAC
34381 AGGGCGAGCT CCGTCTCGAA AAAAAAAAC AAAAAAGTGC CGTCATAGTG ACTCAGTTTT
34441 AAGGAATAAA TCAAGGATAT TTAATCAAT AGACTACAGT TAGCTAACGT GACTTGCACT
34501 GAAAGTTATA CGAATATTGG TACTTATTC CCTGCCCCG AAGTATGAAT TAAAGACTCC
34561 AAAATTCCTT TTAGAATCTT CAGAGTAAAA GCTAGAATTT GATTTTTTTA AATAATAAAA
34621 AAATACTTTG TATCTAAATC TGGTGTATAA AATAACTTGG TGGATGATGC TTCAAGGCTA
34681 TCCATCCCCA AATTTCTCCC TGAATGATAA AGAGAATAAA TGAATATGTC AATTCAAAAG
34741 TTAGAAATTT GGCCGGGCAC GGTGGCTCAC TCCTGATAAT CCTTTCGGAC GCTGAGGTGG
34801 GTGGATCGCA TGAGCTCCGG AGTTCAAGAC CAACCTGGGC AACATAGCCA GAACCCGTTT
34861 CAATAAATAA TAGAAAAAAA TGAGCCAGGC GTGGTGGTCC CAGCTACTCA GTAGGCTGAG
34921 GTGGGAGGAT CACTTGAGCT CAGGAGGTCG AGACTGCAGT GAGCCGTGAT CGCAGTACTG
34981 CACACCAGCC TTGGTGTGAG ACTGAGACCC TGTCTCAACA ACAACAAAAC AAGTTAGAAA
35041 TTTGGCTGGG CGCGGTAGCT CACGCCTGTA ATCCCAGCAC TTTGGGAGGC CAAAAGGGC
35101 GGATCATTTG AGGTCAGGAG TTCGAGACCA GCCTGGCCAA CATGGTGAAA CTCCATCTCT
35161 ACTAAAAATA CAAAAAAAT TAGCCGTGCA TGGTGGCATG CGCCTGTAGT CTCAGCCACT
35221 TGGGAGGCTG AGGCAGGAAA ATTGCTTGAA CCCAGGAGGC AGAGGTTGCA GTGAGCCGAG
35281 ATCATGCCAC TGCAATCCAG CCTGGGTGAT AGAGTGAGAC TCCATCTCGA GAAAAAATAA
35341 AAAATTCCTG ATGAACGTAA CAAAATATCC TTAAATTTTA AAATACATCT GAAAGATATT
35401 TCAAAATATT TAGGAAAAAA ATTATAGGGA TCAGGCAAAT TCTGAGATTC CTTTTTCCCT
35461 GCAGCAAACA TTAGGAGTGC TGCTGTTCCT AAAAACATGG TAACTGTTGC CACACCGTAT

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35521 GTTTCCTTGG CTCAGACATA AGGTTGTGTA GTTGTATTTC CAGAATAGCT AGAATAAAAA
35581 TCCAGCACAT CATTTTCTTC AGCAAGTTAA CTAACCTCTC TGTGCCTTGG TTTCATAACA
35641 GCAACATAAG CATAACAGAA TAGCAGCAAT AGCTCCTACC TACCTCATAA GATTCTTTGG
35701 AGGAATTAAA TTAAGATTCA GAACACAGCC TAATATCTAG TAAGTAATAA TAATTGGCTA
35761 AAAAAATTTT CTTAAGATTA TATATATTCA TGGGGTACAA GTACAATTTT GCTACATTAA
35821 TATATTGCAT TGTGGTGAAG TCAGGGCCTT CAATCCATCC CGGAAAAAAA AAGTTTTTGA
35881 AAAGATTTCT GCCATGGAAA ACTTTTAATG TACAAATTCA TCCATCCAAG AAATAGAAAA
35941 TATATAAGTA TCAACTCCAA ATCCACCATA TCTATCTCTT CTACACCTTA AACAAATTACT
36001 CAGAAATAGA ATGCTTGAGA TACCAGAATG CATGCATATC AAGTAATAAA TGCATGCAGG
36061 ATGTCAACGC ATCCTAGGCT TTCAAATAAA ATTGTCATAC AAAAATACTTT AATATTGTAG
36121 TAACATTCTA CATGTTAGAG TGTAGAAGTT AATCGCTGAT GCAAAAAAGG AAAAGAACAC
36181 ATTATACCCA AAGCCTACAG AGAGAATCAC AATTACAAAT ATCAGCCTGC ATGTGAAAAAT
36241 CTTTAATTTG AAAGTCAGAA ATATTTAATG GATAGTCATT GTTAAATCAG ATTGTGGTTT
36301 GAAAAAAGT TAGTTTAAAA CTGAGTTTAT GAAAAATTTG GGGATTTTAG AGACATTGTT
36361 TTGTTTTTAA ATGTGTGTGA GTTTGTGAAG AATGTTTTAT AAAATACTGA CAGTATTATA
36421 AGATGACATT ATTATAATAC AACATAAGAA TTTTGGCCTG TACCTCTCAG CAGTCCTCAG
36481 TCACCTGCTG TACTTGACTC AATGATTATC AGAGTGGTTT GTTTTCCTTC TGTGTGTTC
36541 CCAGTTCAGG CAGCTCAGCA ATGGCCTGTG ATTCCAGCAA TTCAAATAGC TGGTAAGTAG
36601 TTTCTTGTTT GTTTTCTCAA ATTTTCAGGG GCTTTTCTCT ACAAGTGATT TCCAGTGCAC
36661 GCCCCCTCAC CCATTCTTTA TTCCTTTACC TTCAGGAAAA CCCTCAGCGC TGCATCTCTG
36721 GTCACCGGAC CACCGTGGTA CATTTACCTA TGGCCACCAG GTGTCACCTT TCTCTTTACT
36781 ACCATGGTTT GTGAATGGTT TTGCCAGAGG TGAATAAGAA TTTAAAATGC AGGTCCTTGA
36841 TTTTTCAAAT GTAGTTGACC TTAAGAATTT ATGAATAAAG CCAGAAAAAT TAAGCTTAAA
36901 AAACACCGAA AGAAAATGAG GACTTAAAAAT TTCTATTAAA AAAATTAAAC GGCCACAGTT
36961 GCTGATGTTT AGTAAATGTG TTAGTGAAAT GTGTTACTGT GAAGACTGGG GTGTTTCTTG
37021 AAATCTCAGC CCAGGTGAAA TAAAACCAAT ATAAAACAAA TGCTTACCTA ATAAATTAAAT
37081 TGTAACATAT TCCTTATGAG GTAGAAGAGT AAGTGAAGCC TTATAGCAGT CTGCTTTCAG
37141 TATAGTAAGA TATTAAGAGA GAAATAATTT GTCATATGCT TTCAGAATGG TTTGCTGGTA
37201 AAATAACCAA TGTCTTACAA CTTAGACGAC AATGTCCCTA GAGTGAAGAA ACACGATTAA
37261 TTCGGGTACC ACAGTTGAAT GAAAATATTC CGTAAGACAA AATGTAAAGA AATTAGAAGC
37321 AAAAAAATG TTCCAAAAT GACAAAGCGA TTAAGTATAT ACACAAGATG AACAAGAAGT
37381 TCAATAAAAT CATGCAGTAT ACAATACAAT ATACATTTAT TAAAGTATAT GCATTTTAA
37441 TGCAACAATA ATACTAACAG GTAATAGACA AGTTGTTAAT AGTTTTTCAC TGGCTAATTA
37501 AATAACAGCT TTAATTGTAT TCATTTTATA GCTTTTCTAC AATGAGCGTA AATCACATTT
37561 ACTTTTTTCT ACATAACTTT TCTAACCACA AAAAAAGAAA ATGGTTTAAA AGAAGAGATG
37621 AGATATCTTT GCTAAAATTT AATGCCTAAA GAAGAACTT CTGAGCTGTA TATGGTATCC
37681 TGAAGCACCT GCCCTTCAAG ACAGAATGCT TGTACCACAT TTATGCAGCC AAGTGCATGT
37741 AGTAACATAA AGTAAACACA TGCCATCTGG ATATATATAT TAAGACTCTT TTGACGGCTG
37801 GGCAGGGTGG CTCACACCTG TAATCTCAGC ACTTTGGGAG GCCGAGGCAG GCGGATCACG
37861 AGGTCAGGAG AGTTCGAGAC CAGCCTGGCC AACATGGTGA AACCCTGTCT CTACTAAAAA
37921 TACAAAAATT AGCCGGGCAT GGTGGTGCAC GCCTGTAATC CCAGCTACTT GGGAGGCTGA
37981 GACAGGAGAA TCGCTTGAAC CTGGGAGGCA GAGGTTACAG TGAGCCGAGA TCATGCCATT
38041 GCACTCCAGC CTGGGCAATA GAGTCTCAA AAAAAAAAAA AGACTCTTTT GAACATGGTG
38101 AACTGATTTT CCAGAATCTA GCAATTCCTG AATGTCCCTG TTAGATTTTT TTTTAAATGT
38161 GCACCGGAAC CCCAGTGGCT CCATGGAAGG ACCTGGGCAT CCTCTAAGCC ACTTGGTGGC
38221 TTCCATTATA CCATCTCAA ATGAGAGAGC TTACTCCACT TCATTGAGGG AAATACCACC
38281 AGAGTTCTGA CTCCAGAGGC ACTGGCCTAG GGAGGACACC GTGTGTGAAG CCCAGCAGG
38341 CCACTAGCTG TCCCCACCAA TTACAGTCCT TGCGTAGGGT CCAAAGAAAT GAATGCCAAA
38401 GAGAGCAACA GAGGAGCAAG GGAGTCACAT TCCAGGACCT TCCTTCAGGG ACTTTTAAAG
38461 GAAACATGAC AGCTGAGGAT CAGTTGGTTG TTTTCTGCTG TTCCCCCTCA TGTGATTCAA
38521 GCTCACTCAG AAGAAACACA ATGAGACAAG AGAAGAGCCA TCTCCTTCCT TCTCTATTTA
38581 TTCTAGGCAT CTAAACTACT GAATGTAGTG GTGTCTGAGA TGTATCAAAC GGTGAGATTG
38641 ACTGAGTTTG AAACCTGTTT CTATCACTGA CAAACTATGA GATACTCTAT ACTTCACTTT
38701 CTTTTTTTTT TCATTTTTTT ATTTTTTATT TTATTTTTTT GAGATGGAGT CTCACCTCTG

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38761 CACCTAGGCT GGAGTGCAGT GGCACAACT CGGCTCACTG CAAGCTCTGC CTCCTGGGTT
38821 CATGCCATTC TCCTGCCTCA GCCTTCCGAG TAGCTGGGAC TACAGGCGTC TGCCACCACG
38881 CCCAGCTAAT TTTTGTATT TTTATTAGAG ATGGGGTTTC ACCATGTTAG CCAGGATGGT
38941 CTCGATCTCC TGACCTCGTG ATCCACCCGC TTTGGCCTCC CAAAGTGCTG GGATTACAGG
39001 CGTGAGCCAC CGTGCCCGGC CTACTTCACT TTCTTCATTT AAAAAAGAAA TGGGGATAAT
39061 AGTACCTATC TCATAGAATT ATTGTAAGAA GTGCATGCAG TAATGCATGT AAGTAGGTGC
39121 TCAGAAGAGT CGGACACGAA GTAAGTGCTT TTATCATCCT TATCATAATT TTCATTATCA
39181 GAACAAGGAG AGACCAGGTA GAAAATTATT GTGATTCTTC AGGTCTGGAA TACTAGAGTA
39241 GCATCCCAAA TGAAGGCACC ATTAAACTTT GCAAATCTGT ATGACACCTT CATGCCAATT
39301 AGAAAAAACA CCTCTTCACA ACCCCTTTCA AGATATTTGC CTCCTACCTG CTAAAAACAC
39361 CCATCATACT ACCCACAGAT AGCCATGATG CTTTTTCTGG GACAGGTGCC TCTTCCATTC
39421 GTGCAGTGTG CAGCCTTCAT AGCTGTGCAA CTCACATCAC AATCAGATGG AAGAATCCCC
39481 AAGGCTTGGT TTACTGGGTA ACACAGAGAG AGGATTCAAA GGAAAGTTG GGAAAGTTG
39541 AACGGGTCCA GAAAATGCAT AGATACATGT GTAAAAATCT GGTAAAGTTA TGATAGCCCA
39601 CGTCCCAGGG TTCAAAGCTT TTCTCAGATG TTAATAATGAA TCATGTAAGT CCCCCAAATT
39661 TAAGGAGTCC TCTTCCAAAA ATAGGAAATG AAATGACATA GGTGTATGTC TCTGAGGTGA
39721 CGGAGGAAAT GAAGGAAGCC TCTAGATGCA GCTTGAGGTT CATGAGAGAC AGTTCACGGG
39781 GAGAGGTCAC AGCTAGGGAT CACCGGCATG CAGGAACCTCA GAAACCTAAA TGGGGAAATC
39841 TTTTGTAGGA AATGAACAGA GAAGGCTAAA ATCAAGGAGT TCGTCAGGCA ATTTCTATGT
39901 TTAGGTTCAA CTCTCTCCTG AAACATGAAG AGCTCATAAA TGCACCTCCCT CTTTGAGTCT
39961 CTAGTTTTGT CTCCTTCCCA CAGTGAGTCT GCAGGCTGCG TGTCACTCAC GTTCAGCTAA
40021 GACGTAGTGC CCCATGGCTC CTCTGTGGA GACAAGAGAC CCAGGAAAGA GGCATCACAA
40081 ACCTAGGCAC CATCTTGCCT CTTCTCTCTT CCTTATTTTC CTCATTACC CATCTCAATT
40141 TAGACCTGGG CACTATTGGA TTTCAAGAAC CATTATCTCT CATCTGAAA TGCTTATTGG
40201 CTTTCTAACT GGTCTCCTCA CCTCTCATCT AACTTCTTAA CAACACATTC ACCATATAAG
40261 GGAGATCGTG GTCCTCCTTT CTTAGGATCC TTCAATGACA CCCCAGTGAT CATAACCCAA
40321 TATCCCAAAA GACCCTTGGA CTCTGTATGA GCTGGCTTCT TTCTGATCTT CTTTCCCTA
40381 CACCACAGAT GTTCAGGGGG TAGAAATGCA TAATTGGTGA GTGATAGCTA CGCAAACCTCA
40441 GGGTTAAGGT ACAGTAATTA TTTCTAATCT CCCAGTATGC CTTATACTCT CCTACTTGCC
40501 ATGGTTGCTC CGTCTGTGTA GACCTCCCAT CATCTTCAAC CTCACCTAAT GGAATCCAGC
40561 TTCTCCTTCA AGATCCAGAA GGCTATCTTG ATCCCCAGCT GAATGTGATC ATTTCTTCTT
40621 TTGACACCTT AAGCATTTGC TTCTGCCTG CTTTAGGACC TCATGGGGTC TTTCTTAACT
40681 ACATTTACTT GCTATCAATT TCATTCCTTA CCAGATTTGG GTTCTGAGAA TAGCCACAGT
40741 GACTTCTCAA CCTCAAAGCC CCTGTACTAC CTTAAACAGC TCTTGCAAAA TAGTAGGTGC
40801 TCTGAAGATG TTTGTTGAAT TAGAGACTTT CATTCCTGGG AGAACCATTA TTTTCTGTCT
40861 CCCAGGGAGC TGCTGGTGTC CCCAAAGAAT ATAAATGAGA AAAATGCTTC CCATGGATGC
40921 CAGATCCCTT CTGCCCCTCT TCCCCTGTG CCCTGGGGCA GAGGTACTAA GAGACTTCCC
40981 CCTGTTCCTT ACTCACTTGA ACCCTGCCTC TTCCTTAATA TTATGAACAA AATTCCAATG
41041 AACAAGATGA CGACAAAAC AGCAATTCCA CTGATGACTC CAATGACTAG GGTGCCAGAC
41101 GGTGAGGGCT CTAAAACAGA AAAAGCAAGT TAAAGCCTTT GATTGCCACC CTCAGCCCAC
41161 CCCCTAACAA AGAGCAGATC CTCATCTCAC TGCCATAATT ACCTCCTCAG GCACTCCTCT
41221 CAACCCCAAA TAGATTTTCT CAGCTCCTGG CTCTCATCAG TCACATACCC CAGATCACAA
41281 TGAGGGGCTG ATCCAGGCCT GGGTGCTCCA CCTGGCACGT ATATCTCTGC TCTTCCCCAG
41341 GGGGTACAGC CAAGGTTATC CAGCCCTGGT AGGTCCCATC CCCATTGGGC AATACGTCTT
41401 TAGGTTTCGA CTCCTTGGA TCCATTGGCT GCTTATCCTT CAGCCACTTC ATGGTGATGT
41461 TCTGGGGGTA GTAGTTCAAG GCGGACACC GTAGAGTGGT CACTGAAGAG GTCACATGAT
41521 GTGTACCTT CACCAAAGGA GGCATCTGAC AGGAAAGAGG AAGGATGAGG AGAGGGGATC
41581 TGTTTACCCT TGCCAGGAAG ACTGGAACCT TCACTTCTCT CTATAGGTTG GAGGAAGGAA
41641 ATACCCTTTT CAGAAAAAAA CAAGCTACAG GAGAGACACC ATTTTGTGTC CTAAGATTGG
41701 ACTCTAACAC AGTGTCACTT GGAGAGCAGT CAGATCAGCT TGTCTCTCT ACATGTAAAT
41761 ATACATATCT GTTACCCATG TTCTTTGTTT TGATAGATAA AATTGCCCTT TATGTGCATT
41821 GAAAATGATT GAATACAGAT GGTCAGTTTC ACCTGGGTCA ACCTAGGAGG CATTTGTTATA
41881 AGAAGCGGAC TTGTAAGATA GGTAGCTTCA GTGATTATTG CTATGTTCTA TGAAAGAAAC
41941 TTTTAACCTA AAGGATTCTT CTACTCTGAT AAGTGGCCTC ACTTGATATT TTGTCTGGT

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42001 ATTCATATGA TAGCTGAGAT CTCTGAATTC TCTTTTTTTTT TTTTTTTTTT TTTTAAAGAT
42061 GGAGTCTCAC TCTGCTGCCT AGGCTGGAGT GCAGTGGCGC GATCTTGGCT CAGTGCAACT
42121 TCCGCTTCCC AGGTTCAAGC GATGCTCCTG CCTCAGCCTT CCAATTAGCT GGGACTACAG
42181 GTGCGCATGA CTGTGACCAG CTAATTTTTG TATTTTTTTA GAGACGGGT TCACCATGTT
42241 GGTCAGGCTG GTCTCAAAC CTGACCTTG TGACCACCCG CCTCGGCCTC CCAAAGTGCT
42301 GGGATTACAG GGGTGAGCCA CCGTGCCCGG CCTTGACATT TCTGAATTTT TAACAGGTAT
42361 AAATATACAA AAGATTATTG GTTAAATAAA AAGCAAGGGC CATAGACACT TCCCTTTGAG
42421 CCATATGCAT GGAGAAAAGA AATTAAACCC ATGACTTGTG GCTGTCTCAT ACATCTCAAT
42481 TATAAGGTAG AGACTCTAGG ATTGAGAAAG TCCCTTCCCA GAATTTGGAG AGGCACACAG
42541 CCTCAGCCAC CTCTGAAACT CCAACCAGGG ATTCGGTGCC CTGCAACCTC CTCCACTCTG
42601 CCACTAGAGT ATAGGGGCAG AAGTGTGTTT CCACCATAAC TTGTTGGTCC AAAACACCTC
42661 TCCCCAGCTC CAGCAACTGC TGCAGCTGTG CAGGGCAGTC CCTCTCCAGG TAGGCCCTGT
42721 TCTGCCTGGC CCGAATCTTG TGCCTTTCCC ACTCCAGCTT GGTGGGCCAG GCCCTGGGTT
42781 CTGCTGCTCT CCAATCCAGT GTGTCAAGGC AGAATTCAAG GTGGTCCTGC CCATCATACC
42841 CGTACTTCCA GTAGCCCTCG GTACTGTTGT CTTCTTG CAT TTCACAGCCC AGGATGACCT
42901 GCAGGGTGTG GGACTCTGGA AAAATCCCCA GCCTTGTTAA CTGCAACCAA AGGAATAGGT
42961 CCCTATTTCC ACCATCCCCA AGGACCAAAT GATCTCAGGA AGCAAATTCC TTCCCTCTTC
43021 CCTGCTCCCA CAAGACCTCA GACTTCCAGC TGTTCCTTC AAGATGCATG AAAAGATGAA
43081 AAGCTCTGAC AACCTCAGGA AGGTGAGGCC CCTCTCCAC ATACCCTTGC TGTGGTTGTG
43141 ATTTTCCATA ATAGTCCAGA AGTCAACAGT GAACATGTGA TCCCACCTT TCAGACTCTG
43201 ACTCAGCTGC AGCCACATCT GGCTTGAAT TCTACTGGAA ACCCATGGAG TTCGGGGCTC
43261 CACACGGCGA CTCTCATGAT CATAGAACAC GAACAGCTGG TCATCCACGT AGCCCAAAGC
43321 TTCAAACAAG GAAAGACCAA GGTCTGCTC TGAGGCACCC ATGAAGAGGT AGTGCAGAGA
43381 GTGTGAACCT GGAGACAGAG CAACAGGCC TAAACATGTG TAGTAGGAGG GGAGCAGGAT
43441 GTTGAGGCTC CACACACCTG CATCAACTCA TACCATCAGC TGTGTCTGGT CCTCATTTTG
43501 TGAAGGGTGA GTTGACAGTCC TGTCTTCTT CCATATGACA GTCTGGGTG CTCTTTCCTT
43561 GTGTGCTTTT CTCTGCCACA CGTGGCTGCC ACCCCCTCAC TGCCCCCAGA TCCTATTCCA
43621 ATACTCATGA TTAGACAGAC TCCACTAAAG CTGGTGGATT CTAGAAAATG TTAAGGTGTG
43681 TCTAGCCATG GTAGTTGAAC TCAGGAGTTG GTGCTCAGGG CAAATTAGAC CCAAATCCTG
43741 AGGAATAATT CCTTCAGTTT TTTTTTTTTT TTTTTTTTTT TTTTTTGAGA CAGAGTCTCA
43801 CTCTATCACC CAGGCTGGAG TGCAGTGGCA CAATCTCAGC TCACTGCAAC CTGCACCTCC
43861 TGGGTTCAAG GGATTCTCCT ACCTAAGCCT CCTGAAAACC TGGGACTATA GGCCTGCGCC
43921 ACCACACCAG GCTAATTTTT GTATTTTTAG TAGACATGGG GTTTCACCAT GTTGGCCAAG
43981 CTTGTCTCAA ACTCCTGACC TCAAATGATC TACCTGCCCT AGCCACCAA GTGCTGGGAT
44041 TACAGAAGTG AGCCACCGTG CCCAGCCTTG GTCTGAATT CTTACACTGA ACTGCCATG
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44401 CAGCCTCCCG AGTAGCTAGG ATCACAGGTG CATGCCACCA CACCCAGCTA ATTTTGTAT
44461 TTTTGTAGA GAAGGGGTTT TGCTGTGTTG CCCAGGCTGG TCTTGAACCT CTGAGCTCAG
44521 GAATCTGCTC TCCTTGGCCT CCTCCTTGGC ATGAGCTACT ACACCCAGCC AATCTTCTC
44581 TTTCTCTCAC ACAACATAGA ATCCTTCAGC AACTTCCTTC AGAATATATT CAGGAGACAA
44641 TGGTTGTCA CTCCCTTTTC TGTTCCCACC CAGCCCACTC CACTACCTCT TGCCCTGGACT
44701 GTGTAACAGC TTCCTGGCTG GGCTCCCTGC TTTTACTGTT GCTCCCTTCA TTCCTGCTTC
44761 CACATAGCAG CCAGAGCAAT CTTTTAAAG CCTGTGACAG ATCACTGTTA CTCCTTGGCT
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44881 CCCATTACCT ACTTCTTGGC CTCTACTCCC CAGCACTACT TGTTTATTTT TTTCAACCCG
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45181 ACTCAGTTTG CCTGGGAAAT ACTGCTCCCA GTCAATATCA TTCTTATTTT CTTTATGCTC

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45241 CTGCTCAAGT GTCAGCCCCA GAGTGACTTG CCCTGACTTC TCTGCTTCTC ACAACACCCA
45301 TGATTTCTCTG ATGTTGTATA TCTTTCTGCT CATTTGCTTA TTGTCATCTC TCCCAC TAGA
45361 ATGCAAAATA TCAAAGGGTA AAGACTTGTT TCCCTGCTCT CTCCCTTGGG GCTTGAACAG
45421 TGCAACACAT GGCTGGGACT CATTTACACT TGTAAACAAT GAATATTTCT GCTCAACATG
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45541 AGACATGAGC TCTGCCACCA AAGCCCAGTG TACCATTGAA TAAATTTGCC AGGAAGCAGG
45601 CCGTGCCATG CCTCATTCTT GTCATGTGTA AAATGTGGAT ACACGTAGTA CCAAAC TCA
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45721 ATCACTGTCA ACTAAGATTA GAAGCAGCTG TAGTACTTGA AATAACATCA GAAAACCAGA
45781 TTATTTATGT TCTTTGTAAC CTGAAAAGAG TTATATAATC TGAATTCCAG TTAAC TTCTA
45841 GTAAAATAAA CGTATTATTA GCTCCTACCT CCCTATGCCT AGTGAAAATC AAATAAGATC
45901 AGATATGAAT GTAAC TTAGA AGTGAGTGCA TTGCTTACAT GTTCATTATC AGTACTTTGT
45961 AGAGAGGCCT CTTAATTACA CAGCACATTG CAAATCAATA AAGCCTTAGCC GAAAAGAGAA
46021 TTGTTTCAGTT CAAACGTTCA AAATAACAT ATACTTAATT TTCCAGGCAA AAGAACAATT
46081 GCCAAGAGTG GGGAAAGGCC CGAGGTAGGC CTCTCTCAGG AGCCTCCAC CCTAGAGACC
46141 TCCACCCCAG GTCTCACCAA AAGTGGGTGG AATGGTGAAG AATTCAGATC CCAACGCCA
46201 CTCTTTCGCG CCCCCACGCG CCAACGCATT CGTTCTGAGG TGGAAACCCC GTGCGGATCC
46261 TGCTGTGGGT TTGCTCAGCC TTCTCGGCAA GCACTCAGGG AAGAACTTCC TGT TTGGAGA
46321 TGACTGGGGA AAAA ACTGCA CAGCTGACAT TGGAAATAAA CCCGAGTTCC AGGTTCAAGG
46381 AGCCCCAGGC TTAGCTCAGC TCAAGTGAGG AACTACGAGA TTTATTTAAA AGCATTTCTAG
46441 TTGGGGGAAG GGAGTGGGCG GTTCCAAAAG TCACTCCGCA GAGCCGGGAC AGCCGGGGGA
46501 GGGGGCAGGT CCTGGGGCGA GGGACCCCTA TCTGCAGTTC AGTGGTAGGC ACTCCCTCAC
46561 GGGGTCTGGA CGCAGAAAGT AGGGAGAGGG GCTTGCGGAT AGGGTTGAGC AGGTCTCCA
46621 AAGTTAGCAA ACTCCCAAGC GCAAAGAAAA AGCTAGTTTC GATTTT TCCA CCCCCGCCG
46681 GCCCCTAGTT CGCCCGCAGC CCTCGGACTC ACGCAGCAAG CGCCCTTGCA GGACCGCGGT
46741 CTGCAAAAGC ATCAGGAGGA GAAGCGCCGG CCTGGCTCGC GGGCCATTT CCCCAGCTCT
46801 GGCCGCACGT CCCC GTTAAA TCTCCGCTTC TTTTGGGGGG CGGGGAAACG GGGTAGGCTC
46861 CAGAAGTCAC CCTACAGCTA TTGCCTAGGC TCAGGAGATG CCCAGTAAA GTTCTTGGTG
46921 AAAAGCAACA GGTCTTTT CAG AACTTTAGTT CTCTCTCTCC TACAGCAGAA GGTACCTGCT
46981 TGTGAAACAC TAGGTGATCC AGTGTCCCC TTGGTTTTTA AATCCTGAAG GGGTGTGTGTT
47041 GATTGGGGAA AGTAGCTTCG CAATGTTCTG ATCTGAACTT TAGATATTTA AATATTTATG
47101 ATTTTCAAAA TTCAATCATA CATTTAAAAA TTTTATCTCA ACCTTAGACC AACTTATGTC
47161 TTATTTGACT TAGAAATATA AAGCTTTTTT ATTTTGTTTT TTGATTCAA TTAATTAAGT
47221 CATAACATTA ACCAATTAGA TCCTACTGAA ACACCTTCCA CAGCCTTCAT AATTGAATTA
47281 TCTGACAAGT GTTTCACAAA CTTTACAGTA TTGGGATTAT CTGGAGAATG ATTAACATA
47341 TTGAGGCCTG CTCCTAACCC CAGACACACT GATTTAATGG GTAATTGTTA GGTAGTTAGA
47401 CATTAGCAGT TGGGAGGGGA TGACAGAAGA GAGCGGAAAG GCTGTCACTA AGACAGCCAC
47461 TGGCCACCT AAATTCAGGC CCAAGACTAC CCTAATGCCA CCCTAAGGGA TGGAGTTTAT
47521 GATAAAGCT GTGGCCAAAA TATCCTGGAG AAAGAGAAAG GAGGGTACAG GTGGAAATTC
47581 CCTAAGGTGG CACATGCCCA ACAACACAAA AGCCTGTCTT CAAGTTCACC CCAAGTTCAT
47641 CATGCCATCA TTATAATAGA ATTTACATAC AGTTTTGCCC CCCCATCCCT GGGAGGCTTT
47701 TCTTAACAAA TTATAGGTAA GACCATGCAC AGTTTAATTT TAGATTGTAT AGCTATACAC
47761 TTCAATCAAA TAACATCATC CTGTCACTCA GATACAGCCC AAACCTCAAC TCCTCCCCAC
47821 AAACCCCAT AAGCACCTT GAGCTCTGTA AAGAAGTGCT GAGTTCACCT CGCAGAAATA
47881 AGCCCGCTGT CCCTCAGAGT GTATTATTGT GCTTCAATAA ACTTTGCTTT AAGCTTGCAT
47941 TTTGGTGTTA GTTTGTAGTT CTTTGCTCAC TATCACAAGA ACTGAGATTG CTGGTTCAGA
48001 GCTCCGGCTA TAATAATCTC CTCGGTTAAA GGATCCATCC CAATGCATAA TTCCCAATAA
48061 CAGTATGGGA TGCCACCTGG GCAATGGGAT TTTAAAAGCT TTCCTTCTCC CTCAACGAAG
48121 TTTGGGAATT ATTGCCTTAG ACATTTCAAA CAATATTAAT AAATTTAATA CACCTGATTT
48181 GCTCCAAACC TTTACATATC TAGCAAATTC AACAGGCATT ATTTTGTAA GCATGTATGC
48241 AAATTTTGGC AATTCAGAA AATCAAACAG GATATCAGGG CCTCGACTGT AGGCAAACAG
48301 ATACAATAAC ATTGGAAACA TGTAAGATAT TGATGATGGG CACATTGGGG CTGATAGTAC
48361 TATTCCTTTT TTTCAATTTT TGGTAAGATA TAATTAGCAT ACCATATAAT TCATCTATGT
48421 AAAATGCAAA AATTGGCCCG GCTCAGTGCC TCACGCTTGT AATCCAGCA CTTTGGGCGG

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51721 TCTGTACCTT TCCTCCCAGT GTCAACACAT GGAATTCCTC TCCTTGTGCC TTGAAAAGTG  
51781 AAAGGTGTTT GAACTGGTAA TGAAAGAAAT CTCAGCATGA GGCCAGATGC TGTACCTCAC  
51841 ACCTGTAATC TCAGCACTTC GGGAGGATGA GGCGGGCAGA TCACTTGAGG TCAGGAGTTC  
51901 TAGACTACTC TGGCCAACAT GGTGAAACCC CATCTCTACT AAAAACAAAA AATGTTATCC  
51961 TAGCCGGGCA TGGTGCCGTGT AGTCCCAGCT ACTCAGGAGG CTGAGGCAGG AGAATTGCTT  
52021 GAACCCGGGA GGTGGAGGTT GCAGTGAAC T GAGATCACGC CACTGCACTC TAGCCTTGGT  
52081 GAGAGAGCAA GACTTGGTCT TAAAAAAGAG AAAAGAAAAA TGAAATTTCA GCATTATAGA  
52141 ATAAAAATGT TTCCCTTTCC CCCCAACTT TAAAAAAGCA GAAGTCTGCA TCATAAAATG  
52201 GTCTTTGCCA ATGTTATTTT TATTATAACA AAGGAATCTT GCAAGGCTAC CAGATCTCAG  
52261 CAATTGTCAC TATGTTCTGT AAAAATCACT TCCTAAAAATG TCTGAATTGA CTGCTTGTCT  
52321 CATTATTTTG TTTCTCGTGT CATACTGCAA TGGATATCTG TCTTGTAGT ATAAATATTT  
52381 GTGCATTTTG TTGTTGTTAA AACAGCTTTT TTGGCCTGTC TTCTTCCACC TATGAGGTAA  
52441 TATAAACTC ATGTTTAAACA CTTATTTTGT TAGCAGGACA AGCTACAGAC AAAACCCCTC  
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52561 CTCCAAAAAC CGAGCTCCCT GAGTGAGCAA TTCCTGTCCC TTTTAAGGGC TTGCAACTCT  
52621 AAGGGGGTCT GTGTGAGAGG GTCATGATCG ACTGAGCAAG TGGGGGTATG TGACTGGCAG  
52681 CTGCATGCAC CAGTAATCAG AACAGAACAG GGATTTTCAC AGTGTTTTTC CACACAATGT  
52741 CTGGAATCTA TAGATAACAT AACCAGTTAG GTCGGGGGTC AATCTTTAAC CAGACCCAGG  
52801 GTGCAACACC AGGCTGTCTG CCTGTGGATT TCATTTCTGC CTTTGTAGCT TTTACTTTTC  
52861 TTTCTTTGGA GGCAGAAATT GGGCATAAGA CAATATGAGG GGTGGTCGCC TCCTTATTC  
52921 ACCCCCTTTG AGAATCTCAC TCATTAGTGG GAGTTCTCAC TTTTATTTCT ACTACCTATG  
52981 TCTTCTTGAA AGACAGATTG ATAATGATTC ATATAGTACA CTTGTGCTGA AGCATTTTGG  
53041 TGAGCTAAGG TAGTGATGAA GCTTTTTTATC ATTTGGAGAA GTACAGGTAG CAAACAAGGA  
53101 AGCAGTAAGC AGGTTTCTAT TAATATTATA ACTCCTATTA TAAGAGTTTT AAATCTTCTT  
53161 AGCACTCGGA ACCATTTTTT AAACATGGCC CCAGAAACAA ATCCATACCA CACCTACATG  
53221 GGCACATGTG CCACTTTTGT CATATTTCTA ACTATGTCTT CAACTACTTG CCCTTAATCA  
53281 TCTATGTGTA GACAGCAATT AGTAAGGTTA AATTTCCCTAC AGACCCCTCC TTCAGTTGCT  
53341 AGCAAGTAGT CGAGAGCCAA TCCATTTTGA TAGATAGCAT TTTGCATCTG AGTTTCTTGC  
53401 CAGGCCACAG TAGTCAGGGC TCTGCTGGTC TTATTAGTAA TTATTTCTAA GACAGCTTGT  
53461 AACCGATGAG TTCATTTGAG CATGTAAATG GGGGTCCCAT ATCCCCACAA GCCGTCTTGT  
53521 GCCCAAGTAG CAGGCCATA ATATTGTATG ATTCTCTCAG GGGGCCATT CTTATTTTTC  
53581 CAATTTTCTA TAGCTATGCT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTCGCG  
53641 GAAGCATATA CAGGGAAGCC CAGGAGTTTG CCTGTCTTTA TGGGCAGTAG GAAGAAAGAT  
53701 GGTTTAGTAG TGTCAATAAC ACAACTACCT GCCCACTGGT CAGGTAATTT GGCATAAGCT  
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53821 TGGGTCCACA CAGTTTGCAA CTTTGGGAAT TTACTAAATA GATTTTCTT AGTGTGGTTT  
53881 GAACTCCACT AGGTGGCTGT TTTTATAGTA CTATTATACA GTTTTTGCCC AAGGCAGCTG  
53941 AGTCTTCCCA CAGGAAGGGT GAAGTCCTTC CCCACTTTTG CTATACAGTA TTGTCTAATG  
54001 ATTGAGGCTT TTAGGACCCA GAAGTTATCA GGGTGAGTCT TTTGAGCTGG GAATTTATCA  
54061 GGAAGTGGGT CTGTAGGTAC TAATTCTCGT GCTTCCCATG GCCATTGATC TCCCATTACA  
54121 GTTCTCCAC ATACATACAT AACATGAAGT GACATTGAGA GACTGGGCTA CATGCTCAGC  
54181 TAATTGCAAA AACAAATTTT TTGTTTTTCC TGGAAATTTCT AGTACTGGCA CATTCAGTTC  
54241 ATCATAAGAA GGTTTGAAAT ACTGGCTCAG GGGAGCATTT ATAAACTTCT CCTCAAACCA  
54301 CCATATTTAC TCAAGGATCC AGTCCAGCCC CAACTATTTT TAAGGTTACA CGATCCCTTT  
54361 TTTTCCAGTG AGAATCAAGG GGGTTGGTTA TTACTAGTTC TAAGGGGTTA CACTGACCAC  
54421 TGGTACAGGA AGGGCCACTT TTCCCTTTCT GAAGGTGGAC AGGATTCTTT TTATTTTTTA  
54481 ACCAAGTTGC CTAAATGACA CAAGACAGT ATCTACATTT ATTTCCACGC AGCTTAATT  
54541 CATGACAAGC GTACTTATTT TCTGCCATAT AGCCTCTTTC CTAATGAACA GAACCACATC  
54601 CTATTTCTAA CTTATTACTA TTAATGACAG CACAGGCATC AAATTTCAAG GTGACTTGT  
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54721 ACCAGTCCTC AGTCCTCAAT CTTATTTCAA AAAGTGTGGT CGTGGGAGGC TCAGATGGGT  
54781 CATAACACAC ATCAGGTGG TCATTTCTTG GGCTACCTAC CTTGTATAGA ATAGCATTAT  
54841 ACAAACAAGT TATTTTTAGA GTCTTTGTAC ACTTATAATA ACCATAAAAT AATAAGACTG  
54901 TAGCAACTTT TTGTCTTACC TCAGTGAATT GATGTATACA CTGGGAACAG CCCTCAGTCT

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54961 GAGGAAGGTT AGTTGAAGTC TTTACTGTGC AAGTCCAAAT TTTAAGGAAA ATGAGTCCCT  
55021 TGATGAGTTT TCTCATGTTT CGGCCATGCA TGGACCAGTC AGCTTCCGGG TGTGACTGGA  
55081 GCAGGGCTTG TTGTCTTCTT CAGTCACTTT GCAGGCGTTG GCGAAGCTGC CACGTACAGC  
55141 TCACAGTCTA CTGATGTTCA AGGATGGTCT TGGAAAGTTGG GCCCACTAGA ATTAAGTGA  
55201 TCCAATACCT CTAATCAGTC ACTTTCAACT GGGCTTTCTG ATACCAGGAG CAAGGTGGCA  
55261 GGTTTTAGGG TGTGCAAAAT TTCAATGGTT ATGCAGGGAT TTTCACATAG CAAACTTTTG  
55321 TACTTGGTTA ATCTAGCATT TGTAGCCAA TGATGTATTT ATTAAGTCA CCACAGCATG  
55381 GAGGGCCTTT AAGTTTAGGT TTTGTCCAAG AGTTAGCTTA TCTGCCTCTT GTGCTAGCAG  
55441 GGCTGTTGCT GCCAAGGCTC TTAAGCATGG AGGCCAACCC TTAGAACTC CATCTAGTTG  
55501 TTTGGAGGCC CAGCCTCGGC CAGGGCCCCA CAGTCTGGGT CAAAACCTCA ACCGCCATTT  
55561 TTTCTCTTTC TGACACATAG AGTGTAAGG GTTTTGTGTC GTCAGGTAGC CCCAGGGCTG  
55621 GGGCCGACAT GAGTTTTTCT TTTAATCAT GAAAACTCA TTGCTGTTGG TTGTAATAGA  
55681 TGTAGTTTAT CCAATCTACA TTTTATTAA CTGTCACCCA CCAAAATATT GACTCAAATC  
55741 CTGCAGCTAT TTGATTTTGG GATTTAAATT GATCTGCTAT TCCCTGTGGG ACTCCAATTG  
55801 CATCTAAATA GATGTGAGAG TTGAAAGACA CATAAGGGTC TTCTCTTGCT TTACGATGTC  
55861 TTATTTTTCC TCCCTCTGGT TGATGAAATG CTAGGGTGAA AGGGATAGCC AATTGGACTA  
55921 AAGTACAAGT GCCGCTCCAG TTATTTGGCA GAGTGCCAG TAAAGGTCCA CCACAATACC  
55981 ACCACACATC CGCTTGGGGA TGAACAAAGG CTGACTGATT GAGAAGCTCC TGAAAATTCT  
56041 TAAGCTCACT GCATCCCTTC AGGTCTCCAA GGAATGCTAA GTTTCCTCCC TGTGATGAGA  
56101 GACAAGAAGT GAACTTAGTT TTGGGAGATG GAAGCTGGAT GGCCCTCAGG GGTGACCTG  
56161 CAGGGTGCTG GACTTTGGGA TATAGCAGAG AGAGCTTGGC ACGACTTATT ACTCCAGGCT  
56221 GTAGAATCCT GGAAAACAGT TACCATGCAG CCCATGCCTG GTCAACAGGA GGACCACCTT  
56281 AGTGGAAAGG GGATAATCTG GCCCTCTGGC CTGCCATGTG CACAAGCATA ACAATTGGTT  
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56401 CCTGCTTAAT TATCAAAGTT TGTTTTAAGT CTTTAACTTC TATGACCCTC TAGTAAATG  
56461 AATGTATGAT TTTAGGAAAT TACAAAAACC GGTGGGGCA GTCCATCCTT GCTCTTTAGT  
56521 GGTCCACACA ACATTGACAC AACTATGGCA TAAAAGCTCT ACATCGGGGG GCAAGACTCC  
56581 TCGTTGACAC TGGGGTCTTT ATTGAAATCT CTCTGGAATA AATGGTCTCA GTTTACTAAG  
56641 GCTCAGTCTG AGGAGGACAG AGGTACTTTT CTGAAGTACA GAGATGCTTT  
56701 CGACTTTGGC AGTCCCCACA GGGTATAACA AGGCAAGCAT TAAATTCAAT AGTTTGAGGC  
56761 AAAATTGACT TGGTTATGTT AATAACTAGA TGGTCAGAAA TAGAGTGAGG GAAGAAGAAA  
56821 GAGTAATAGA ATAGATGAAG GAGTTAAATT TTTCTTAGCT TTAGTTTGGT AGGGTTTTCC  
56881 CCTGGGACTA TGGCCCATGA CTCTGGAGGG GGTGGCACTT TCTTGACTCG GGTGTGATGA  
56941 GTCCATCCCT TTTTCACCGT ATGAACAACA GTCTCGGTGG TTAGCAGCAC AAGGTAGGGT  
57001 CCTTCCTAGG CTGGCTCAAG TTTTCCTTCT TTCCACCCTT TGATGAGAAC ATGATCTTCA  
57061 GGCTGGTGCT GGTTTACAGA AAATTCTAGG GGTGGTACAT GTGCTAAAAG ACTTTTAGTT  
57121 TTGAGGGAAA GGAAAGTGGA AGATAAACCA AGTATATAAC TTTTAAGAAG TTGACCTTTT  
57181 GTTTTAAATG TGGGGACATC AGCAGTGGAC TTTATAGTCC TTGGTGCCTT CTTACTGAGA  
57241 AATTTCCCTT AGCACCTATT TTTATTAGTT TTTAGACCAA AGAAAGTCAA ATGCCATTTT  
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57361 GTGTGTTATT AATGTTAAAC TTAGTTTTTA TAAAACTCTG TAGACATATT TATTTGATTT  
57421 TTAATGTCTG ACCATAAGGT AAGATTTTTA TAGACTTTTC TTTAACCTTT TATAATTTTT  
57481 GTTAAAGAAC AGGTTAGTGC TTTAAGAAAA ACCCGTTGTG TTTTATTTTT AATGTTTCAGT  
57541 TCACAGAAAA ACTGTATGAT ACCCCTTAAC TTTAGCCAAT ATGTTTAGAC ACAGAATTTT  
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57661 ATGTAGGTAA AAATCCACAT TCTTATGCAT CCTCATAATC CTTTACCBA AGGTATATTT  
57721 TACTTTCCTT ACATACCTTG CACATAAACT GTTTATTCAA TAGTTTACA TTTAGAAGGA  
57781 GGCTTAATTA CTTTAAATTA ATACAACATT TCTTACATAA ATTTATTTTT CTAACACACA  
57841 TTTTTCAT GACTTTCACA GACAATTCTT CGACATGCCT CAACTTTCTG ACTTATTGCA  
57901 AACATCCCTT TCTTTAAACA ACTAGTTAAT TTATCTCAGG ACAAGGATTT TCCATACAAC  
57961 ATTCTTTTTT ATATAAATC TGCTCTCTCT TTATTTCTTT TTTTTTTTTT CCGAGGATGA  
58021 TAACCATTCT TTTCCAAAGC GAACTTCTTT TATGTCTGTG GACTAGACTG TCTAAGGCCA  
58081 CAAGATTAGA AGTTACTATA ATACATGTTA CACTGTTAAC TTTTAGCAAA CTTTACTTTT  
58141 GTTGAAAACC TTGTAAGTTT GGGATTTCOA TTATCCTTTG CTATTAATAA GACCTTATTT

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58201 AGTCCAAATT AACTTAGAAT TGGTATAGAT GGCTTTTTTT TTTTTTTAAT TACCTGGGAG
58261 GAACCATCTA TCCTCCTGTC CTGAAGGGAG TTCCCTCCTAG GTCTGGTCAG AGCTTTGTAT
58321 GGTAATTAAG ATTTAGATCC CCTGTTAGGA AACCTGCCGG GTTAAGAGAA TTTTCAGTGG
58381 TTAATGTTAA ATCATCTTCT TTTTTCCTTTT TTCCCTTAGGA TACTTCTGAA CCGGTGAGGT
58441 GTGCTCACAA TGAGGTTTCC TGTAAGGTT ATTTTTTTTAC TTTCTTCTGT TAGCAAAGCA
58501 GTTGCCGCTA CAGATTGAAT GCATTTGGGC CATCCGCGGG TTACTGGGTT AAGGATTTTT
58561 GATAGGAAGG CCTTAATGCT TTTGGAATAT GCCCTGACAA CAAAGTGCCA GTTCCCTCCC
58621 GGTGTTTCCG CACTGCGTTG ATCCTCCACG AGGGCCTGCC ACGTGCCTGT CTGGTGAGGC
58681 GTTCCACCGG GGCAATTGCC TACCTGGGAG CGCTCTCCAG ATCTGTGTCT CTCAAACCTG
58741 CTGGAGTTCC CCGTAGGGAT GCTCCACAGG GCAGGCCTAA GTCGCCTAAG GGGCTGCCTT
58801 GACCGTCCGT TAATCACCTC TGTCTCCAAA AACCAGCTCC CTGAGTGAGC AATTCCTGTC
58861 CCTTTTAAGG GCTTACAAC TAAAGGGGGT CTGCATGAGA GGGTCGTGAT TGATTGAGCA
58921 AGCAGCGGGT ACGTGACTGG GGCTGCATGC ATCAGTAATC AGAACAGAAC AGAACAGCAC
58981 AGGGATTTTC ACAATGCTTT TCCATACAAT GTCTGGAATC TATAGATAAC ATAACCTGTT
59041 AGGTCAAAGG TCGATCTTTA ACCAGACCCA GGGTGCGGTG CCGGGCTGTT TGCCTGTGGA
59101 TTTTATTTCT CCCTTTTAAT TTTTACTTTT TCTTTCTTTG GAGGCAGAAA TTGGGCATAA
59161 GACAATATGA GGGGTGGTCT CCTCCCTTAA TTTAAACAAA ATTTTCAAAG TCCTACCCCA
59221 AGTAAATTGG CAAATATTAA TAAAGTTATG GCATAGAAAA TAAAAATGAT TGTAAAAGGC
59281 GTAAAGATAT TTCTGTGGGG AAAACATTTG TTCATTAGTT ATCAGTTAAA ATTCTGTGAA
59341 AAATAACCAC TAGAGACCCT AAAGTACCCA GGGGCTAATA ATAAGAAGGG AGGAACACCC
59401 TCTCACTCCC CACCGTTACC TGCCCAGAAG GGAAGAGGAA GAGGGTGACT CCAGGAGAGC
59461 TGTGGTCTCC CCTCCCCATA TGTCCACATA TACCTGACCT CCCCTCCCCA AAATATATAC
59521 CCAATATCTC TCCCATATAT ACATATTTAT CTGACCTCTC CACATATGTA TACCTAAACT
59581 TTCTCTATAT ATCCACATAT ACCTAACCTT CTCACACACA TATAGCTGAC CTCCAGTGGA
59641 GGAAAATGGG GAAGAGAGAA GAAGTTATCA AAGGATAAAT CTAGGTCATA CTCAGAAATG
59701 TGAAAAACAA AAACCACACA CAGAAAAAAA AAACACACAC AAAAAAGAAA TTGATAAATT
59761 TGTTTGTGTC AAAATTAAGA ATTCGGGTTT AATGAAGGAT CCCATGGATA AAGTTAAGAC
59821 ACTGCTGTAA GGATGTTAGA GAATTAAATG TCTGAATCAG ACGAAAGGAT GAGTAATTAG
59881 AATGCACAAG GCCAAGAAGA ACAAACAGA AACTCCACAT AAAAAATGTA TGAGGCGGGG
59941 CGCGGTGGCT CATGCCAGTA ATCCCAGCGC TTTGGGAGGC CAGGGCGGGC CGATCAGGAG
60001 TTTGAGACCA GGCTGGCCAA CATTGTGAAA CCCCATCTCT ACAAAAAATA CAAAAAATTA
60061 GCCGGGCGTG GTGGTGGGTG CCTATAATCC CAGCTACTTG GGAGGCTGAG GCAGGAGAAT
60121 CACTTAAACT CAGGAGGCAG AGGTTGCAGT GAGCTGAGAT CACACCATG CACTCCAGCC
60181 TGGGTGACAG TGTGAGACTC TGTCTCAAAA AAAAAAAAAA TTATATATAT ATATATATAT
60241 ATATATATAT ATATATATAT ATATGAAATA AATGAACAAG AAATTTAGAT ACAGGAAAAT
60301 CCAAAGCACT TGGTAATGAA AGAAAGGTAA AGTGATGTGT CCTTTTGCAT TTAAAAGAGA
60361 GCATTAACAA ATTAGAGAGC TGAATAATGC TCAGTATTGG TGTGGATATG GAGACTCAGG
60421 AATCCTCATA CACTGCTGAT GGGAGTGCC ACTCCCTGGG AATATTTTCC AAATATCATC
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60541 GAGGTGGAGG TAAAATGAAG TCACTGCACA ATATAGAGTT GGAAGCAATG GATTAGATGT
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60721 TACTGCACAC AGTAAATGGC CAGGCTGAGC ACTGACTTCC ATGAAGGGAG ATTGAAGGTA
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60841 ACCCCGCCAC CCCGCTTCCC ATCTTTCTTA CCTGATTAGA ATAGCTTTTT CAGAAAACGT
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61321 TGGCTCAGGC CCTGTAATCC CAATCCTTCT TGGGAGGCCG AGGCGACAGA TCGCTTAAGC
61381 TCAGGAGATC GAGACCAGTC TGGACAACAT GGTGAGACCG TGTCTCTACA AAAACGTACA

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61441 AAAATGAGCT GGGAGTGGTG GCGCGCACCT GTAGTCCCAG CTA CTCTCAGGA AGCTGAGGTG
61501 GGAGGATCTC TTGAACCCAG AAGGCGGAGA CTGCAGTGAG CAGAGATCAT GCCACTACAC
61561 CCCAGCCTGG ATGATAGAGC CAGACCCCCA TCTCCAGAAA AAAAAAATAA AGAGAGAGAG
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61801 CATGCTCAGC TTGGCAAGAG TATCTGTCTT CTCTCATGG GACGGTCACA TTCACCCAGC
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61921 GGTCCCTCAG TAATCTCAGC ATGGTAGCAC AATCGAAAAG GGCTAGGCAC GGCAGACCA
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62161 TAGTGCTTCA GCCTCAGCAG TCCACATTCT AGGAACCCCTC ATAATATGGG TTGAAGTATG
62221 CATTCCACCA AAAATAAAGT TGTTGAAGTC CTAACCACCA GTACTGAAAT GGGAAAAGTT
62281 CCCTTGTCCT GCTCGCATGG CATGTGATAG GAGTGTGGCT AATTTCTTCA GTGCCTGGCT
62341 GCTCAAACCT CTAGGGGAAC ATTAAGACGG GCAGGTTGTG GGTCTCCAAC CCCATGACCC
62401 CACCACAGTG TCTAGGGTTG AATGTTTACA GCTCCTGAAG CCACAGTGGG TGTGTGTTAC
62461 AGGGTGCTCT TTTAGTTTTG CCATTTATAG GCAGCTGGTG TTAACCAACT CAATTAGACC
62521 GTCTACCTTG TCCCAAGGAC AGAAGAAGGC TTTCTGTATC CCAGGTTCTT GCCTTGGTGT
62581 ACCGGAATAA ATCAGACCAC ACCTGGGCTT AGAGAAAGAG TGCAAGGTTT TATTAAGTGG
62641 AGGTAGCTCT CAGCAGTTGG GCAAAGCCAA AAGTGGATGG AGTGGGAAAG TTTTCCCTTG
62701 GAGTCAGCCA CTCAGTGGCC CAGGCTCTCC TCCAACCACC CCAGTCAAAT TCCGCCTCAT
62761 TTTGCCAGGC AAACGTTTGT TGTGTGCTCT TCTGCCAGTG TGCTCCCCTG GACGTCCAGC
62821 TATTCTGTGTC TTGTGGCAGG CCAGGGGAGG TCTTGGGAAA TGCAACATTT GGGCAGGAAA
62881 ACAAAAATGC CTGTCTCTAC CGTGGTCCCT GGGCACAGGC CTGGGGGTGG AGCCCTAGCC
62941 GGGGACCACG CCCTTCCCTT CCCCATTCC ATATCATTTA AAGGGACCAT GCCCTTCCCT
63001 TCCCAGCACT TTCCCCCTCC TGTATCAGGA CCTGTGAATG TGGCCTTATT TGGAAATAGG
63061 GTCTTTGCAC TTCATCAGTT AAGATAAGAG TGGGCTCTAA CCCAACATAA AGGGTGTCTT
63121 TATAAAAAGG AGAAATGTCA TACACAGAGA CTGACACCTA TAGAGAGAAA ATGTGGTGAG
63181 TAGACACAGG GAGAATCACC ATTCAGATCA AGCAATGAGT CTGGGGATAC CAGAAGTGG
63241 GAGAGAAACC TGGAACAGAT TATCCCTCAT TGCCTTCAGA AGGAATCAAA CTGATGATA
63301 CTTTGATTTT AGACTTCCAG CTTCCAGGAC TGTGTGACGA TAAATATCTG TTGTTAAGCC
63361 AACGAGTTTG AGGTACTTTG TTA CTG CAGC CCCAGAAAAC TAATACAGTA GGTACTATGG
63421 ACTGAATTGA CTCCCCGTCG CAAAATTCAT ATGTTGAAAC CCTAACCCCC AGTGTGATGG
63481 TACTTGAGC TGGGGCGTTT GGGAAGTCAT TATATTTAGA CAACTCATC AGGATGTGTC
63541 TCTCATGATG AAATTCATGC CCTTATTAAA AGAGACAACA GGCCAGGTGC AGTGGCTCAT
63601 GCCTGTAATC CCAGCACTTT GGGAGGCTGA GGTGGATGGA TCACCTGAGG TTGGGAGTTT
63661 GAGACCAGCC TGGCCAACAT GGTAAAACCC CATGTCTACT AAAAATACAA AATTTGGCCA
63721 GGTGTGGTGG TGCACGCTTG TACTCCCAGC TACCTGGGAG GCTGAGGCAG GAGAATCCCT
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63901 CCTGTAATTC CAACACTATG AGAGGCTGAA GCAGGAGGCT CGCTTTAGCC CAGGAGTTCA
63961 AGACCAGCTT GGACAAAATA GTGAGACCCC CAACTTCTAA AAATTTAAAA AATGAAC TGG
64021 GTGTGGTGGT ACACATCTGA GGCTCCAGCT ACTCTGGAGG CTGAGGTGGG AGGATTGCTT
64081 GAGCCCAGGA GGAGGCTGCA GTGAGCCATT GCTGTCCAGC CTGGGCTACA CGAGAACCTG
64141 TCTCGGAAA AGGAGAAAAC AGTGAGACCT CTTTTTCTCT CTCCTTCTC TCCACTGCCT
64201 AAGCCCTACA AGCACAAAAA GGACACCACA TGAGCACATA GTGAGAATGC TGCTGCCACC
64261 AACAAGTCAG GAAGAGAGCG TTCACCTAGA AACTGAATTG GCCAGCACCT GGATCTTGGA
64321 CTTCTGAGCT TCCAGAAGTG TGAGAAAGTT ATTTTTTTTT TAGCGACTAA GTCTATAGTA
64381 TTTTATTACA GCAGCTCAAG GTA ACTAACA TAGTAGAAGG GATGAATTAT GGAGATCACA
64441 AGTCCACGCC TCCAGAAAAA GACTTCCCTA AAAATTAGTC TGAGCAAAAT TCGAATGATG
64501 AATTATTTTT AAGAACTTTT AAGGGATCTG ACAAGTTTGC AAGAGCTAGA GAATGCTTTA
64561 CAACGTGATA ATAGAATGCT CTGTGATGAC AGAAATCTTT CCACACTGTT CAAAAC TAGC
64621 TACTGGCCAC TTGTGACTAT TGTGCACTTG AAATGTGACT GGTGTCTGAG GAGCAGAATG

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64681 TTTAATTTTA CTTAATTTTA ATTCATTACA ATAGCTACAT GTAGCTAGGG GCTACTGGAT
64741 TGAACAGCAC AGCTCGAGTC TTTTAGAGGG AGACAGGACT CACCAAGATG GATGCTGGTG
64801 GCCAAGCAGC AATGGCAGGT AGTACACACA CAAGAGGCAG ATGATACAAC ACATCCTTCC
64861 CAAACCTGGA GATAAGCTCA CCCACAATC CCGCCGCTGA AATAGAGTTG ATGTTACCAA
64921 TGTGCATTTT TATGTCCTTT TCCATACAGA AAGATCATTC AGCAAGTACT ATGGTACTTA
64981 AAAACAACA TTTCAATTCAT TATTATGACA AAATTAAAT T AATAGCTCTT CCTTAAACTT
65041 TTAATTTCAA TTTACAATGC TTAATTTGG CATTTATTAA TCTACCAATT TTTTCCATA
65101 GAACCCATAG AACAAATAAT CTACCAAATT TTTAACATTC ATTTTTGGCA AGGCTTTTGC
65161 AATTTGACGA ACTTTAAGAA GAAAACCTTAT AAATTGCAAT TTTTAAATCT GACATACTGG
65221 ACTTTTAAAG TATCCAATTG ACTAATGAAC AAAACTGCTC CAAATTTTTT AATTCTTAAA
65281 AATCTTAAAG CAATACTTAA TATGGCAAAT CTTAACTTCT TAAACTTTGT AAGAATGCTA
65341 ATCAACTTAG ATTGGTATAA AGTTGAGTTA AAAATCACAG GATACATCAT CTCAGCTATA
65401 AGTTTTCTAG AGTTGAGTTT TTACAATCAC TTGAAATGCT TAGAATAGGA AATACGTATA
65461 AATTATTTTAA CATAAAATAT TGTTACAAAA CCTCTGGAGT CTCAGTTTCT CTGGCCAGAC
65521 TTTATGCTGC AGCACCTTTG CCTGAGTTCT TGTCTGTCAT CCAGGAAGAA TTAGGTACAG
65581 AGGCAAGAGT CAAGAAGATT AGTTTTCCAA TAGTTCAGCT CACCTAGTTA ACTCCTGTTC
65641 ACAATCTTCA AAGTTATCAG AAACCTGCAA TTGAGGGTTA TAATCCATTC TTTGCAGAGT
65701 TTCAAAACAA GACAACATTT GTCTATGAAT GTTAAAATGT CCTAGGGTAG TCACAGTCAA
65761 AAACACAATT GACAAAGAAA TTTAGTCACC TCTGTGATTT ACAATAGCCT AACACAATAA
65821 CTCATAATTAT AACTGATGAC ACAAACCTCAG ATATCAGAAC TCTAGAAATC CCCTATAATT
65881 TTGGAACACA CATTACAGT TTTCACTGAA ATATGACCTG AAGATCAAAT ATCACCTTAT
65941 TTCAACAATC CTATATAACT AAACGTGTCA AATGATCCTG TTTACCTCTC CTTTGGATAC
66001 TCCAGGGGCC CTCTGTAGCA TCCAAAAGTT AGGGGTTAGC AAAGACAATT TTGAAGCTGT
66061 AAAGGCTCAA AACACTTAAT GAACCTCTAG TCATATCTGT TCTCTACTCA CTAAATGCTA
66121 GTAGCACCTC TCAGTTGTGG CTAAGCTGGG AGGATCTCTT GAGCCTAGAA GTTTGGGGAC
66181 GCAGTGAGCT ATGATTATGC CACTGCACTC CAGCCTGGGC AACAATGCAA AATCCTGTCT
66241 CAAAAACAAA AACAAAAAAC AAATTGCCTA TGCTGTGGTT ATCTCACAAT TAATAAAAAG
66301 GAAAAAATAA GTATGCAGTC TTTGTAGGTC CTTGGGGTTT GTTGGAACTC AGAAAACAAT
66361 ACCCCAAAAT AAAGACCGCA GAAGCCAAAG TTTTCTCTG ATCTTCTCCT GCCCTCCTGT
66421 CTCTGAGTCC CATTCTCCCC GGAGTCTAGC CATAGAAATG AGAATTCCTC TTCCTCAAGT
66481 TAGGTCATAG AAATCAAAAC ACCTTTTCCC CAGAGCCCAG CCATAAAACC TAAAAAATT
66541 ACTCTAACTT TCCCCTCTGTT TTTCTGTGTA AAAACTGGCC ATAAAGAAAT TATCTGAAC
66601 ACCTTATTTG ATCATAGATC ACCAGACCGC ATTCCAGAGA GGATCCAGAA GGAAGGAATG
66661 CTGCACAGAG AGGCGAAGAA GAATCTAGAC AGACAGGCCT TGCTGGGTTT CCCTACTCTG
66721 TTTATTAGCA ATCCTATTTT TACACGGCGG CCCATACTTT GTTGAATCTA AAAAAATAAA
66781 ATGGACAATT TCCCCTGTAC ATGTTAATAC ACATTAATAA ATTGGATATA AATTGGATAA
66841 TTTATTATAA TACACATTAA TAAATTGGAT GCAGCCGGGT GCAATGGCTC ACGCCTGTAA
66901 TCCCAGCACT TTGGGAGCTG AGGCGGGCAG ACCACGAGGT CAAGACCACC CTAGCCGAAA
66961 TGGTGAAACC CCGTCTCTAT TAAAAATACA AAAGTTAGCT GGGCGTGGTG GCACATGCCT
67021 GTAGTCCCAG CTACTGGGGA GGCTGAGGCA GGAGAATTGC TTGAACTCGG GAGGCGGAGG
67081 TTGCAGTGAG CCGAGATTGC GCCACTGCAC TCCAGCCTGG TGACAGAGTG AGACTCCGTC
67141 TAAAAATAAT AATAATAATA ATAATAATAA TAATAATAAT AATAAATTGG ATGCATTTTA
67201 TCCTATTAAT CTTCCTCTTG TCGGTGGTTT TCAGCGACTC TTCAGAGGCC AAAGAGTAAG
67261 TTTTCCCTTA GCCCCTACAG GTTCTTATGT TTAATTTGTT ACTCTCATTT AAGACATAAT
67321 TAAAGTGGCT TCTCCATGAA GATTATTTCT GCATCCATTA TTTGGTAAGA TTGGCCGTTT
67381 TCTCCTTTGA TCTCTACTTC AACTGACCC ACATAAAACA TCACTGCCTG TTTTCTGTT
67441 GTTGTTGTTT GGAGACGGAG TCTTGCTCTG TTGCCAGGC TGGAGTGCAG TGGTGTGATC
67501 TCCGCTCACT GCAAGCTCCG CCTCCCGGAT TCACGCCATT CTCTGCCCTC AGCCTCCTGA
67561 GCAGCTGGGA CTACAGGCAC CCACCACCAA GCCCGCTAA TTTTGTATT TTTAGTAGAT
67621 ACGGGGTTTC ACTTTGTTAA CCAGGATGGT CTCGATCTCC TGACCTCGTG ATCGGCCCCG
67681 CTCAGCCTCC CAAAGTGCTG GGATTACAGG AGTGAGCCAC TGCGCCCGGC CCCGTTTTTT
67741 TTTTGGTTT TTGCATGTCT TCTCCCTTTT ACTGTAAACT ATTTCCACTA CCAGCGTAGT
67801 TATCATTTCT ACTGCTTAAT AATTGTTTTT GGAAGTGAA TGCATCAACC CACATGAATT
67861 TCTTGTCTAT TTGACAATTT ATTCTCTTTA GGAATAGTAT TAACTCCTAA GGTCTGGGA

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67921 GCCAGTCTCT GTACTTGGCT GCTCCAGGGT CCTACTTCAG TTTCCCAGCT TCTCAGTACT  
67981 GTCAGTGTCA ATTGTGGGTA ATAATTATTT TTGTCCACCA AAAGACTCTG TATGTGAATG  
68041 AGTTTTGAAA TCTGCTGAGT AATACAGTGT CAACCCAGTT AATGATTTGC CGGGCGGCTT  
68101 GATCAGGGGC TGTCCAACTA CCGGCATTTT GATTTGGAGC GTCATCTAGT GTCTGAAAGC  
68161 ACAAACAACA TCCTACATTG TAAATGCCTT TGGCTACAGA GATTGAAACC AAAGCAAACC  
68221 TATGTTTTGA ATTGTTATTC TTCAGCAGTT CTGCTAGCTT TGAAAAATCT AAAAGTTAAA  
68281 AAAAAGCTTT ATATTTTCATT TTCTGCCTAA ACTCTTTAAA ATTGCTAGTT GACAATTAGA  
68341 TATTTTCAAT TTAATGAAAT TTTTTTTT TAGTTACAGATT AATACACAAT GGGGGAGGGT  
68401 TCTTATTCTG TTGGACTTTT ACATAACCTC CACTTTTAGTG CAGTCTGCTT TATGGGGTCT  
68461 TGTTTGAGGT GTGTGTGTGT TTAAGGGAAT GTGGTTTACA ATCAAAATAT TGGGTGCTC  
68521 TTAGGCACAT TGTAAGTCA CACACCTGTA TTCTTATTGA TACATAATGA TTAATAACAT  
68581 TATTATTACA GCCTGATCAC CATCATTATT GATATATCTA AATAATGAAT TTTATAATTT  
68641 TGCTTCCTGT CAGGCAAGAG CCAATTTACG TGCTACCATG TTTGTATAGC AGTATTTATG  
68701 TCTGTCTACC TCAGTCATTT TACTTCATT GTTCTTAGCC AAACGGCCGA GAAGCGATG  
68761 TCATTTTACT TCAAAAATGA AAAGAATTAA TATTTTTACG TTTCCCTTAA AGACCCATG  
68821 TTTAACCTCC ACTCCTGGGT AAAATGGTCT AGTCCCTCCT TTTTCATCA TCTCTGATAT  
68881 CTTTTGCACA GCCACTATTA CCTACCGTTT TCTAGATCCC TATTTCTTCAA ACACCACCAT  
68941 GAAGGTAGAG CCTGTCTGAA TTATTTTCTT GTCCCTCGAA CTCAGTACAT TGTTAGGCTT  
69001 CTTGAAGATG TTGATCAGTT GTTTGTGGAG TGAATGAATC AGCTAGCATG ATTTTCTTAG  
69061 ACCACTGAGA CAAGTGTCTA AGACACTTGT TCCTTCCCAT GTTCTTGCTT GCCTGTGCAA  
69121 TCCATGCAGT CTCATGGCTT CCCAGTGCCT CAGAATTATC CCCTGTCAAA CAGGCATTAT  
69181 AATTTCTGTC CACTGAAAAG GACAAAAAAC TAAGTGTATA GCTAGAAGTT AAAAATTACC  
69241 GGCCAGGTAC TGTGGCTCAC TCCTGTTATT CCAACATTTT GGGAGGCTGA GGCGGGCAGA  
69301 TCACCTGAGG TCAGGAATTC GATACCAGGC TGGCTAACAT GGCGACCCCG TCTCTATCAA  
69361 AAATGTAAAA GTTAGCCAGG TGTGGTGGCT CGCACCTGTG GCCCCAGCTA CTCAGGAGGC  
69421 TGAGGCAGGA GGATCGTTTG AGCCCTGGAG GTTGAGGCTG CAGAAAAATA GGAATATACT  
69481 CTCTTTCAAG AGTTCGTGGT TTTGACTGCC ACCTAGCGTA CATCAGAAAA ACCGCATGAC  
69541 ATAGGAAATG CCTGTGACAG AGGGGTAAGG TGAGAGAGGT TGATGAAGAA TGTATTGAAG  
69601 GAGTGAAAC GCTTCCATCC CTCTACTTAC TAAATATATT AGTTAAGTAG TTGGGGCATA  
69661 TTTTAATTCA TGCAATTTGT AGATAGAAA ACAAAGTTT TATTCTGTTT TATTCTTTG  
69721 ATACTTTAAT ATGTGTGTGT TTAGGATGCA TGATTTATAA TCAGTCTGCA GCACTTCTTG  
69781 GAGAAGTCTG AATTCTCATT CTCCATTTCC TTATTGGCAA CGTGAGAATG ATTACAATGG  
69841 TGGTTGTCTC ATAGAATGCA GGGAGTCAGA ATGAAAATAG TCCATATAAT GCCTGGTGCA  
69901 GAGGAAGGGT TCAGTTAACT GTCTGTATTA ATATTACTGA TAACAGTCAT GACAAACAAA  
69961 AGCTTAACAA CAACACCACC AACAACAGTT GCAGAATTGA GCCACCAATT TGCACACAAG  
70021 ATTGTAGGTA GGATGTTTTA GAAAAGTTAT TATTTAATAT ATGTATATAT TTTTGTACTT  
70081 AAAATATGTC AGAGGTTGTT CTAAGAACTA TTTAAATGTT AACTCCTTAA TCCTCATAAT  
70141 GACCCATGAA ACAGGTAGGC TTATTATTGT CTCTTTACAT GTGAGAACAC TGAGACACGA  
70201 AAAGGTTTAT TAACTCACCC AAAGTCACAC AGCTGGTAAA ACGGCAAAAT TGAATTTGAA  
70261 CTCAGACATT CCAGGTTCCA AGACAGTCTA ATTATTCTTT TGACTAATAT ACTAAGCTGC  
70321 CTCTGTATTT TTCCTTGATT ACTTTGTAAA AGTATGAGGA AAATATAAGT GCTTCAAGTA  
70381 ACCATGAAAA ATATAAACAA TCTATGTATC AACTGAAGCA TAATTACAAA TCCTTTGATA  
70441 AGCAAACATA ATAAAAATTT GATATCAATC AAAACTTTCA TGTAATGTAA GCAGGTTGAG  
70501 ATGAATTCTA TAGTAAAAA GTGCAGAGTG CTGGAATACC ATGCTCCTAA TATATTGGCT  
70561 AGGCACACCT GCCTGCTATC AAAGGTATGC ACACACCTTG GATACAGAAA GTTGGGACTG  
70621 GGTAGTTATG TGAGTGTCTA CAGAATTCTT TCCCCTTG GAAAGAATTG TCCATCATAA  
70681 GCTTGGATGA TGGACAAGGA GTGAGCTCCC AGAACAGTGA TGTGGGGATA CATCCTCACA  
70741 TCACAGTGAG AATGAGTGTT CTAGACTGTT TACACACCTA CCACTCCTAA ATGCACACAT  
70801 ATAATTGCTT GCACACACAC ACATACACAC TCATCTCTTC TCTGGTGGTC CAGCTCTATC  
70861 TCTTATCATT AGGCTTCTTG GGGCTAGTAC CTAGGGCCTG TATCCTTTCA GAGGCAGCTA  
70921 AGGGAAGCAC ACATAATTAG AAAGAATGAA CCAGCTTGTT GGATTTGGTC TCTTCGCATC  
70981 CAGCCCTCCA AGTTAAGGAG AGTACCATCT TTCTTAGGGT CACCAAAGGA AAAAAAAAAA  
71041 AAAGAAAGAA ACAGAAGGAT ATCATACAGC AAGGATCTAA TGCAAATATG CCTCAAATGA  
71101 GAGGCTACTG TGTGCTGATC CCAATCCAG GAACTGTATG CACATTATCT AATTTAATCC

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71161	TCACGTGATT	TCTGGGAGTA	TTATTCCCAT	TTTACAGAGA	AGGAACTTGG	CAGGGTAACC
71221	AAGCTCATGA	ATGGAGAAAC	TGGGATTAAA	TATAAAGCTT	CCTTGCTCCA	GAAGTGTCTG
71281	CTTTCTGCTC	TTCCACACTA	CCAGCTCAGC	TGTGCTCTCT	ACATGCAGGC	AGTTTTACAA
71341	GTTTCAGATT	AGCCTGGGAC	TTCCAGGGTT	TTGAATGGGT	TAGGGAATGG	GGAACCTTTG
71401	GGTTTACTTT	CCATTTTTC	TTCATACATA	TGTAATATAT	AACATAAATC	TATGGTATAT
71461	ATGATAAAATA	TATGGCTACA	TATGAACAT	ATAATCACAT	ATATGCATTA	TAAATAAATA
71521	TTAATTTTAT	AATATTTTAA	AGGTATATCAA	ATAAATATTA	ATATAAATAA	TTAAATAAAT
71581	AATACTCAGC	TTTGTTTTCC	AAAGTGATAA	ATGCCTATAT	TTAGCAAAAT	ATTTTTTGGG
71641	GGCCTGATAG	TTTTTAGGAG	TGTAAAGAA	TCCTGATATC	TAAATGTTTA	AGAACCACTA
71701	TTTTAGGCTG	TTGTCTTCTG	TCTTATTTTC	CCAGCTAGAC	TGGTAAATAC	TTGAAGGCAA
71761	ACGTTTAGCC	AGCACATTAA	CATTTTATGT	TTTTATTCTT	TTGTGCTCTC	AGTGGCTGTG
71821	TCTTTTCTAT	CGATTTCTCA	CACTGTATGA	TGGTTATATT	TGTCTGTATC	TGTCCCACCA
71881	GGTATAAGTT	CTTGAGAGGA	CACACTGCTA	GGCTGATCTT	AGTTTTTATT	ATTTCTCCTG
71941	GTGTCCTGTG	CTTAACAAGT	GCTCATTAAG	TGTGTAAAAA	CACAGCACAG	TAAAAAACTA
72001	GACATTAAAA	AATAATGTCA	ACCAATCTAT	TGAAATTTGC	ATTTCCATGT	TTCTTCCAAT
72061	ATAGTCATTG	TGTCAGGTTA	TGTACTTATT	CTGATGAAGA	CTATTGCCTA	ATATACGTTT
72121	GCATCTTGTG	CTTTATAACT	GCCTTCATAT	AGACACAGAT	TGAGAAGGTG	TAAAAATGTG
72181	CATATCCTCA	CAATTGACAA	ATTCTTATCC	TTTGAGGGTA	GGTTTGACTT	TCTGAAATGC
72241	TTTGACATCA	TTTGAAAGAA	GCTTGAAGAA	TAAGATAGCT	GTAAATGACC	CAGTTTCCTA
72301	TGTCACCTAT	ACAATTATAA	TGGCAATTTT	AAAAATGTTAG	GTAAATATAT	TTTGCAATAT
72361	ATTGTTCCCT	TTGTAATACT	CTCTATGTAT	TTATTTATAT	TTTTAAATTT	TATATTTATG
72421	TATTTATTTT	TCTGGACAGA	GTCTTGCTCT	GTGCCCAGG	TTAGAGTGAA	GTGTTGTGAT
72481	CATAGCTCTC	TGCAACTTCA	AACTGCTTGG	CAAAAGTGAT	CCTCCTGCCT	CAGCCTCATG
72541	AGTAGAGTAG	CGGGAACCTAC	AGGCGCATGC	CACTGCACCC	AGCTAATCAC	TATTTATTAT
72601	GCTCCTACTG	TGTGCTTTAG	TATATTTTCT	GTTGTTTCT	GCAACCCATT	TTGAGGGCGT
72661	GTTAGGGAAT	ACAGATGCAG	TAACCTTCGT	CTCAGCCCTT	GAGGTGAGGA	AATATTTAGC
72721	CTCAGGTTTA	ATCTAATTGT	TGGCCATTTG	CCTTCAAAGA	TTGAAATATG	AGCAAACTG
72781	TGGCTCTGGG	TTATATGTTA	AAAAAAAGTT	TATGGGGCTG	AAGCCAGGCA	ACAGACAAGA
72841	GCCCCTACAA	TCTTATTTAG	GCTGAAAATA	TCCTGGAGTC	CCTGTATTGT	TGGTCTCAAG
72901	CAGATGACAA	CACCTAACCT	TACTCTTTGA	GGCAGGCACT	GCCAGTGGGG	TGGCTGTTAT
72961	TATTAGCTTC	ATTAATTTGGT	GAGTCAGGAA	AAAACAGCTT	TAAATCATTC	AAAGTTCTGG
73021	CCTATACAGG	ATTTAGTAAAT	ATTAGGTTAG	CTACATCCAA	AAGATGACAG	AACCCTACTC
73081	TAAGGCTGGG	CTTGGTGGTT	CACACCTATA	ATCTCAAAAC	TTTGGGAGGC	TGAGGCAGGA
73141	GGATCACCTG	GTGCCAAGAG	TTTGAGACCA	GCCTGAGCAA	CATAGTGAGA	CCCCTGTCTC
73201	TATCAAAAAC	AAAGAACTCT	AATTGGCATA	GTAGAAGGAA	AAAGTGAAAG	AAAAACCAGC
73261	TGTCACCTC	ATTCCCTTACA	CCTGTCCCTAA	CAACTCCTCT	CACTATCCTT	TGAATATATC
73321	TTGGCTGTTT	GAGTCTCTCT	CTAGCCCCAT	TACTGCTGTT	TGGACTTGAC	ATTTTGCTCT
73381	GCATTTTAA	CTTTTCTACC	AGGGTTTCCA	GACCTGAAG	AGTGTGGCAT	GAAACAAAAC
73441	TAGTCAACCT	ATAATATTTA	TGATGTGTGT	GTAAATAAAA	GAATACACAA	TATATTGCAT
73501	TACAATATTT	TAACGTGTGC	CTCAATTTGT	TTGTGGCTTT	CTTGAGGACA	TCAGTTTGGG
73561	GTGGGACGAC	CACATCCCTA	ATCTGAACTT	TCCCTTGGAG	GTCATTCTTT	TTTTTTTGAA
73621	ATAGAGTCTC	GCTCTGTCTC	CCAGGCTGGA	GTGCAGTGGC	GCAATCTCAG	CTCACTGCAA
73681	CGTCCGCCCT	CTGGGTTCAA	GTGATTCTCC	TGCCCTCAGC	TTCCAAGTAG	CTGGGATTAC
73741	AGATGCACGC	CACCATGCCG	AGCTAATTTT	TGTATTTTTA	GAAGAGACGG	AATTTACCA
73801	TGTTGGTCAG	GCTGGTCTTA	AACTCCTGAC	CTCATGATCT	GCCCACCTCA	GCCTCCTAAA
73861	GTGCTGGGAT	TACAGGCGTG	AGCCACCCCG	CCCGGCCAGA	GGTCATTCTA	ATAGACTTTT
73921	TTTTTGTGTT	TGCTCACAGG	CTTGTTCAT	CTTATTTCAA	AATTTGAGAA	ATACAGTTTC
73981	CATGGAACAC	CAACCAGATA	TCAGGTTGCT	ATGGAGTTGA	TAGTCAAAAG	CTTTGTATCT
74041	TCCAGTTTTT	CAGAATGGCT	TCTAAAGGTT	CTGATTCAGA	GCTCTTAGGC	GAAATTGAAC
74101	AACCAAGTGT	CAAAGTACAA	CATTTCAGGAA	GTAAAAACA	TGACTGACAT	ATATGTACTA
74161	TATATAGTGA	GCTTGTGTAT	GTGTCAATGA	ATGATTTAAT	TCATTAATGA	AGGAGGAAGC
74221	AGAATCACAA	TTAGGTCAAA	GGAAGATACG	GGAGAATAAA	ATATGTATTT	GGTCAGGGAA
74281	AGGATGTATA	CTGGAAGAGG	AAGGGAAAAT	CAGATATAAA	GTTGTTTAAT	GACTTATTAG
74341	GCAATACAAT	AATAACTTTT	AGGGTCATTT	TTTCTATATT	AAGAATTCAT	TTCCATCTCT

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77641 AACACAACCTT GGGAGCAGCG CAGCGGCTCA GAGCCTGCCA GCCAGGCGGG CGACCAGAGC  
77701 ACCAATCAGA GCGCGCCTGC GCTCTATATA TACAGCGGCC CTGCCCAGGC GCTGCTTCAT  
77761 CGGCGCTTTG CCACTTGTAC CCGAGTTTTT GATTCTCAAC ATGTCCGAGA CTGCTCCTGC  
77821 CGCTCCCGCT GCCGCGCCTC CTGCGGAGAA GGCCCTGTGA AAGAAGAAGG CGGCCAAAAA  
77881 GGCTGGGGGT ACGCCTCGTA AGGCGTCTGG TCCCCCGGTG TCAGAGCTCA TCACCAAGGC  
77941 TGTGGCCGCC TCTAAAGAGC GTAGCGGAGT TTCTCTGGCT GCTCTGAAAA AAGCGTTGGC  
78001 TGCCGCCCGG TATGATGTGG AGAAAAACAA CAGCCGTATC AAACCTGGTC TCAAGAGCCT  
78061 GGTGAGCAAG GGCACCTCTG TGCAAACGAA AGGCACCGGT GCTTCTGGCT CCTTTAACT  
78121 CAACAAGAAG GCAGCCTCCG GGAAGCCAA GCCCAAGGT AAAAAGGCGG GCGGAACCAA  
78181 ACCTAAGAAG CCAGTTGGGG CAGCCAAGAA GCCCAAGAAG GCGGCTGGCG GCGCAACTCC  
78241 GAAGAAGAGC GCTAAGAAAA CACCGAAGAA AGCGAAGAAG CCGGCCGCGG CCACTGTAAC  
78301 CAAGAAAGTG GCTAAGAGCC CAAAGAAGC CAAGTTGCG AAGCCCAAGA AAGCTGCCAA  
78361 AAGTGTGCT AAGCTGTGA AGCCCAAGGC CGCTAAGCCC AAGGTTGTCA AGCCTAAGAA  
78421 GCGCGCGCCC AAGAAGAAAT AGGCGAACGC CTACTTCTAA AACCCAAAAG GCTCTTTTCA  
78481 GAGCCACCAC TGATCTCAAT AAAAGAGCTG GATAATTTCT TTACTATCTG CCTTTTCTTG  
78541 TTCTGCCCTG TTACTTAAGG TTAGTCGTAT GGGAGTTACT GAGGTATCAG ACGAATTGGG  
78601 TGACGGGGTT GGAGAGTGGC CGTGGTGAGG TTACAGCATT TAAACCTTTA TTGCGGCTTC  
78661 TAGGTCCCTG ACCGGAGGCT TTTCTCGCTG GCGGATGGTT TTGGGATGGC AGTCCCGCCC  
78721 CAGGCCTGTG AACGGCAGAA AAGACGCAA AACAAGAGCC AGTTTCTTAG TCTAAAGGGA  
78781 TGTCCGATT GGAATAAAAA ATTTTCAAAA GTCCCGCCCT GCTCCCGGGT TGGTCCGTTT  
78841 TTCTAGTACA TGACTTTTCT TCTGTATTTA ATTGGATGGT GGAAGACGTT GCTTATTCTG  
78901 TGTTTTTCG TTTACTGTGA CTTAAAGGTT TTGCCTCTTT TCTCTTTATA TTAATGTCTG  
78961 GGATTTTCGA CGCTTTCCAT GTTGTGGGTA GTCAAGTTGA TGTCTCCTGG AGGTAGTGGC  
79021 AACATCCAGC CCTGGGAGGA GAGTGCCTGC AGGTACCTTT GTCCTACATT CCTCTGCTGT  
79081 TAATTTCTCA TTCCTGTGGC AACGAAGGAA TGCATTTAAA AAACAGCCAC AACAGCGGCA  
79141 ATAGCCCTTC CTCCACCCAA GGCAATCGTG GACCTAGGGA GTTTTTTGTG CCACATAACA  
79201 TGTAGCCTTC CGCTAAACTG ACAGGTTTGA GCGTATCGAT TTTGAGCGTA TCGAAAGCAC  
79261 AACTTTTAGC CAGCCATTTT GTCCTCGCAT GACTACGGTT GCTTATCCTG TTTAGACAGA  
79321 CAGCAACATT TAAAAATCGA AGTTCCTTTA AACGTATTTT GTTTGGCAGT CCAAATGTTT  
79381 CTATGCAGAA AACAGTATTT GTACTATTAA CTATGAAGAG TGTATGGAGA AATGGGAGAT  
79441 ATTTCTAATA AAGGCCTTCG TTAATGGTTC CCTCTGTTTG ACATCCATGG TGCTTCTGAA  
79501 TACAGAAAAGC CTAGCGTCTT ATATTCGCTT CTTTTAAAAT CTGGTGGGCA CATTTTGGTG  
79561 AGACCTAAAT TATGGGGACT GGGGCTTCTG GAGATAAGCT GCTCAATTAT TCTACCATCT  
79621 CCACAATGAT TAATATAGTG AGTTGATTTG TTAGTGATAG TGACCACGGA TTCATCCCAA  
79681 GAAAGAGAAA GGGGAGGGAG GCAAGCAGAG AGACAGGAAG ACAGAGGCAG GGAAGAAGGA  
79741 GAAAACATTC TCCCATGGTT TAAGTAATTT TGTGTTGTTA ATTTTACATT ACAACACGGT  
79801 TTAACATGGT GAACCTCTA TTTTGGTGTA AGGTTTAAAC TATGGACATA TTTTCCCAA  
79861 GACCATTTAT GAACTTTTCT TTCTGCTTCC CCCTTCTTCC TCCCGTGCCA CCCTCCACGC  
79921 TCCTATCAAT TTTGGCTGTT TTGTCTAGAG CTAATACGCT ATAATTTTCT GGACAGTTGG  
79981 ACTGTCTTAG GTTCTCAGG TTTCTATTTT GTTCCCTTAG TCATCCACAC AATTCTTAAG  
80041 GTAGAATTGT ATTGTTTAA ACATTGTGTT GTGTGCTATC CTCAATGCTG AGATGATTAT  
80101 GTGACAAATG GCAAGTGTTC AACTAATACC TAAATCTGTA GTATCTTATC AAGCCTAATG  
80161 CTACTTCACA ATGCCTACTC CATTACCTC ACTTTATCTC ATTACTGGCA TTCTGTCATC  
80221 TCACATCATC ACAAGTAAAA CGGTAAGCTA TTTTGAGAGA GATCACAGTC ATATAATTTA  
80281 TATTTATATT TATTTATTTA TTTATGAGAC GGAGTTTCCC TCTGTACCC AGGCTGGAGT  
80341 GCTGTGGCAC GTTCTCGGCT CACTGCAACC TCCGCTCAC GGGTTCAAGC GATTCTCCTG  
80401 CCTCCGCCCT CCGAGTAGCT GAGATTACAG GGGCCTGCCA CCATGCCCGG CTAATTTTTG  
80461 TATTTTTAGT AGAGACGGGG TTTCACTAAG TTGGCCAGGC TGGTCTCGAA CTCCTGACCT  
80521 CAGGTTATCC GCCCACCTCA TCCTGCCAAA GTGCTTAGAT TACAGGCGTG AACCACGTT  
80581 CACAGACTCA AATCATTTTT ATTACAGTAT ATTGTTATAA TTGTTGTTTT ATTATCAGTT  
80641 ATTGCTAATC TCTTACAGTG CCTGATTTAT AAATTAATTT CATCATTGCC ATGTGTATAT  
80701 AGAAAAAAAC AGTGTATATA CGGTTCAAGT CTATCTGTGG TTTCAAGCAT CCACTGGGGG  
80761 TGCAGTTTAT TAAACATGCA TTTACATTAG TCTCCCTTTT GGGAGACTAA TTAAGTGA  
80821 TGTTGTAACG TGACTTTAAT AGCAGATAGA GCTAATTTTC TCTCATTACT CTTCTTTTTT

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80881 AGAATTTTCC TGGTTATTCC ATTTTTTATT TTTCCATATG TATATTAAGA TCTCTTCCAC  
80941 CTCCTCCTGT TTCTCCATCT CAACATCAAA CAATTAAAAA AAAAAAAAG GCTGGGCGCG  
81001 GTGGCTCACG CCTATAATCC CAGCTCTTTG GGAGGCCTAG GCGGGTGGAT CACGAGGTCA  
81061 GGAGTTCAAG ACCAGCCTCG CCAAGATGGT GAAATCCCGT CTCTACTAAA AGTATAAAAA  
81121 TTAGCCAACC ATGGTGGCAG GCGCCTGTAA TCCCGGCTAC TCGGGAGGCT GAGGCAGAGA  
81181 ATTGCTTGAA CCTGGGAGGC GGAGGTTGCA GTGAGGCGAG ACCTTGCACT CCAGCCTGGG  
81241 TGACACAGCG AGACTCCGTC ATAAAAAAA AAAGCCGGAA GCAGTGGCTC ACGCCTGTAA  
81301 TTCCAGCACT TTGGGAGGCT GAGTCAGGCA GATTACCTGA GGTCAGGAGT TCAGGACCAG  
81361 CCTGGCCATG AAAATACAGC CTGGCCATGA AAACACACAA TAAATTAGCT GGGCGTGGTG  
81421 TCACACACCT GTAATCCTAG CTACTCGGGA GGCTGAGACA GGAGAATCAC TTGAACCCAG  
81481 GAGGCAGAGG TTGCAGTGAG TTAAGATGAC GCCACTGCAC TCCATCTGGG CGACAGAGCC  
81541 AGACTCTCTC TCAAAAAACT AAATAAATAA AAATAAAGTT ATGGTACATT GAACTTCTGT  
81601 GTTCTTTTCT CCCTTAGATA CTTTCATGGC TACCCATTTA ATTGATGTTT TTATCATCTC  
81661 CAAGAGTTAG TCAGGAGAGG AATCAACCCA AGCAAAAATA GCTGATTTTC TAATTTTCTT  
81721 TCAATGCCCT TTGGGGTCTT AATCCATTTG ATTTATGTAC TTTCAATTAA TCCTAACCTC  
81781 GAATGTCTTC TGCAAAACATG TTTCCACAGA TGAAACTCGT CAAATGAAAC ACATTCCTTT  
81841 AATTTATAGA GTTAAAAATT AGAAAAATTT TCAATTCTAT TTGGCCTTTA GATTCAGTCT  
81901 TGCATATGTT TTCTCAATTT TGTTTCATGCT CTTTAGTTTT GTTTTATTCC ATCACAATTG  
81961 TTCACATAGC TTACTGGCTT AGGTCTAATG AACCATTTCAT TTGGAAATTA AAATTGGCCA  
82021 TTTTAAGATG AAAAAGATTC TTGCCTCAAT TTTACTTAGT TTTTGAACT GTCAATGAGG  
82081 ACACATGTTT TTCTGTACTC TTAGATTCAC TAAGTAGTGT CTTGCAAATT TAACTGACAA  
82141 AGGACAGATT AACATGCGAA AAAAAGAGCA TGCAATTTTA TTAGTATATT ACATGCACAG  
82201 AGTTCCCAA GAAAAAATAA TTGAAACCTT AAAAACGCGG TTAGACTCAC AGACTTATAC  
82261 ACCATTCCAA CAAAGGAAAG GGAGTTTGCA CTTTCATGGG TGACGAATTT GGGAAATGTGA  
82321 CAAGGAAATA AATACATGGG CAATAAAAAAC CATGGAAGAT AAAATGAAAG ATAGAAATAA  
82381 TTGTAGTAAG GTTTGTTTTT GCAGAGTCAT CTCAGTGCCA ACCTTCCATA TCTAGTGATA  
82441 AGAATTGCTC TCTTTTTCCT GGTATAGCAG TTGGGGACAC TTTTACAAGG GAAATTTCTG  
82501 TCACCTTCAC AAAGGGAAAT TTGGGTAAAG AGAAGACAGA GACCTCTTCC TACACCTGTT  
82561 GATTTTCAAT TGCTTCAGC TGAAAATAAC TTTTATGCCA AAGTAGAATA ATTTGGGGGT  
82621 GACATCCTGA TATCTTCAA AACTTATATT TAATTTACA TTAGTAATTA TATCATTTTT  
82681 GATTTTAAAA TTAGTTTTAT AAAATAATTT TGAAAAACGG TAATAATATT CAAATAATTC  
82741 CAGAAACACT GCTGATAAGC CAAAAACATC AATGAATATT GCATAAACAA CTGATAATTC  
82801 AACCATGAAA ATTTATGACA TTGTTCTTGT GTGATAAAAC TATGAGTAAC ATAAAACTA  
82861 GAGGCTACTT GTAATGCATT ATTCCAAACT TTCTGTTTTT TATTTATTTA TTTATTTATT  
82921 TTGAGACATA GTCTCTCTCT GTCACCCAGG TTGGAGTGCA ATGGCGTGAT CTTGGTTTCC  
82981 TGCAGCCTCC ACTTCCCCGG TTCAAGCAAT TCTCCTGCCT CAGCCTCCTG AGTAACTGGG  
83041 ATTACAGGCA CCTGACACCA AACC CGGCTA ATTTTTTTGT ATTTTTAGTA GAGACGGGGT  
83101 TTCGCCATGT TTGCCAGGCT AGTCTCGAAC TCCTGACCTC AGTGATCCAC CTACCTCGGC  
83161 CTCCCAAAGT GCTAGGATTA CAGGCGTGAG CCACCATGCC CGGCGCATT TCCAAACTT  
83221 TCATACACAG TGCTATCATG GCTACAAATT GAAGTATCAT ATTATACACT CCTAGGCAA  
83281 GCTCTGGATA TTTTGGCTAT ATAAGCCTGA GGGAAATGTA GTAAGGACAT TGTGGTTGAA  
83341 ATTCATACCA GAGATGAACA GGCCAGTGTC AAGACAGAAT TACATCACTA AAGGATATCA  
83401 GAAGAGAATA GGGATTTAGG GTACAGTGGC AACAACAGTT TTGGGAAC TA GCATTTTTTTG  
83461 AGCACTTATT TACAATATGC CAAGCACTGT TGCTGATTAC TCTATATTTA TTTTCAAACA  
83521 CATCTTGTC ACAGCACTTT GAAGTAAGTG CCATTGTCAT TCCCACTTCA GGGTGAAGGA  
83581 CTAAAGCTTG GTGTCATTAA GGATGTAGCT AGTTAGCTGT GTGTGTGTGT GTGTGTGTGT  
83641 GTGCATTTTT TTTTAAATTT AAAGTCAATA AATTTTTATT TGAAGAATT CACATCAAGG  
83701 TAAACTTTGT TCCTCTAAAG AGCTGGAGTC AAAATGTATC TTCAAAGAT TCATCTTCAA  
83761 GTTAGCCCTT CTTAATAGAA CTGATGCTTA ATCCACAGTT GTCAGCCAC AGTTCTTTTA  
83821 TTTTGACTTT TTTTTTTTTT TTTTTTTGAG ACGGAGTCTC TCACTGTCAC CCAGGCTGCT  
83881 GGGCAGTGGC GTGATCTCGG CTCGCTGCAA CCTCTGCCTC CCGGGTTCAA GTGATTCTCC  
83941 TGCTCAGCC TCCTTAGTAG CTGGGACCAC AGGCGCATGC CATCGTGCTC GGCTAATTTT  
84001 TGTATTTTTA TTAGAGACAG GGTTTCACTA TGTTGGCCAG GCTGATCTCA AACTCCTGAC  
84061 CTCATGATCC GCCTGCCTTG GCCTCTCAA GTGCTGGGAT TACAGGTGTG AGCCACTGCA

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84121 CCCGGCCTTA TTTTGCCTTC TTTAATCTCC ATTTGAACAT ACACATACTG ATGAAAACTA  
84181 CAACATTCTT CACCAAAAAAT CTTTGGGATT TAATTTCTTC AACCACCTTA CTTTGGGGTC  
84241 ATTTTAAAGAT TAGGTGTATC TGCCTGGTTC TCAATTTGAC ACCCTTTCTC TCTAAACATG  
84301 AATGAGTTCC AATCATATTT ATTCCTAAGC TATCACACTC AAATATACTA CAGATCTGTG  
84361 GAATATGCCA AAAGTTAAGG TGAAAAATTA AATTATTAGG TATTTCATAG TTTTGCTAGT  
84421 TTTTGATCTG TGAGTGAATA TAACTATCCT CTATGTCTCG GCACTGTTCC TCAGAAACAT  
84481 AGGGTCCACA TATGTAATTT TAAATTTTTT AATAGGCACA TTTTAAAAAG TGAAAAAAGA  
84541 AATCTATTTT AATGATTTGA ATCCAGTGTA ACCAAAAATT GTTTCAACAA GGTATCTAAT  
84601 ATTAAAATAT TGAGTTTTTA CTTTGTTATT TTACTAGTTC TTTGAAATCT GGTGTGTATT  
84661 TTACACTTAA AGCACATCAC AGTTTGAGT AGCCACATTT CCAATGCTTA ATACTCACAT  
84721 ATGGTTAGTG GCAACTATCT TGGACAGGAC AGCTTTTATA CTCTGGGAAG ACACAAGCAA  
84781 ATACTTGCTC TGCAGCAGAA TCCAGATGTT TTCCAAGAAA ACACTTTTTT TGACCTGTTT  
84841 CTGAAAACCA GGTAGTGTCT CTAATACCTT ATATTTTATT GGTGTGTCTT ATTGTAACCA  
84901 CCCAACGGGC TCTCCTTGTC CACTTCTTAG ACAGAGCTGA TTTATCAAGA CAGGGGAATT  
84961 GCAATAAGGA GCCAGCGCTA CAGGAGACTA GAGTTTTATT ATTACTCAAA TCAGTCTCCT  
85021 TGAGAATTTG GGGACCAAAG TTTTTAAGGA TAATTTGATT GTAGGGGACC AGTGAGTCGG  
85081 GAGTGTGCT TGGTTGGGTC AGAGATGAAA TTATAGGGAG CCTAAGCTGT CCTCTGTGTC  
85141 TAAATCAGTT CCTGGGAGTG GTGGGGTGGG GGACTCAAGA CCAGATAATC CAGTTTATCT  
85201 ATATGGGTGG TGCCAGCTAA TCCATTGTGT TCAGGGTCTG CAAAATAGCT CAAGCATTGA  
85261 TCTTAGGTTT TAAAATAGTG ATTTTATCCC CAGGAGCAAT TTGAGGTTTA GAATCTTGTA  
85321 GCTTCCAGCT GCATGACTCC TAAACCATAA TTTATAATCT TGTGGCTAAT TTGTTAGTCC  
85381 TGCAAAAGCA GTCTGGTCCC CAGGCAGGAA AGGGGTTTGT TTCTGAAAGG GCTGTTATTG  
85441 TTTTGTTTTA AAAGCAAAAG TATAAACTAA GCTCCTCCCA AAGTTAGTTA ATCCCAAAT  
85501 CAGGAATGAA AAGGACAGCT TGGAGTTTAG ACGTTAGATG GAGTCGGTTA GGTAAAGATCT  
85561 CTTTCACGT AATAATTTTC TCAGTTATGA TTTTTCGAAA GGCAGTTTCA CTGTCCACTT  
85621 CACCTCACAT CAGGCCCTCG ACTAGAGGAT TCCAACAATA CTTAGGCCAG GACACCACCA  
85681 TGTCTCCTTA TCCACCCTGA GGGAGTCCAA TTTCTGAAAC AAAGGAACT ATATATGATA  
85741 GTATGAACT ATATATGAGA AGGAAATTAT ATATGATAAT CAATTTTAGG GTTATCTTAT  
85801 TGATTAGAAG ATATTAAAGT GTGACACTGC CTGGCAATGA TATCTGCTGG TAGTAAGAAT  
85861 TTGGCGAATT TAGTGAAAT CCTGAGGCTG AACCTCCACT TCTGTAAAAT GGAGACAGTG  
85921 AGATAATTTG CCTTACAATG CTGAAGTAAG AATTTTACAC AATAATTCAG ACCAACCACT  
85981 TCATGTGGTA CTTGGCCCGT GGAAGACTAT CAATGACAGT TAGTTTATAG TTTTATACTAT  
86041 TAATGAATCC TTTGTTTCAT TGTATTTTCC TTCTACACGT TGGCCTCTCT AAAAGAAGGT  
86101 AATATTCAAT ACAAATAAAG TTAAAAACAGC TTGCAGAGTT GTCCCAGGGA ACTCACTTAA  
86161 CCACTGAAGT GTTCAAATG CTTAAGGTTG ACTTTATATT CTCTGACTA ACCTTTCTCC  
86221 TTCTGGTATT TCTTCTGAGA ACAGCACCAC CATCCAAAGC ATCATGCAA CAGTGGTCAT  
86281 CCCAGACCAG TAATTCTCAA CTCACAGGCT GCTCCTGCAG AGATGTATTT GAATAGAGTG  
86341 GTAGGATGCT GAAGAAGGCC ACGTAAAATT TGGCCAGTGA TCTGGGGCAG ATTTATCCTG  
86401 AAGCTAATGA AACACAAGTG TAAGGGCCTG TACTTCCAAG GTGCAGAGAG GGGCCCTACA  
86461 AATGTGTTAG TTTGTCTCTC TCTCTCTCTC TGATTTTAAA ATTTGCAGTA TTAAGGTAAT  
86521 TTAATCACGG ATGGTTCAGG CTGCTATTTT CACTCAATCC TCCTTTTTTAT TAAAATCACC  
86581 ATTGTCTGAT TATGTTAGAA TCCTGATGAA AATATTTGGA ATTTGAGTAA GAGAAAGTTT  
86641 AGTTGAAGAT GTATCTAGTA TGGGGATAAT AAGTTACGTG ATTTGCATAT GTGATCATGT  
86701 GTACTTCATT CGTTGCCAGC CAATCTGACG TAAGAATGGC TTCAAGGAGG CCGGGCGCGG  
86761 TGGCTCACGC CTGTAATCCT AGCACTTTGG GAGGCCGAGA CGGGCGGATC ACGAGGTCAG  
86821 GAGATCGAGA CCATCTTGGC TAACACGGTG AAACCCCGTT TCTACTAAAA ATACAAAAAA  
86881 TTAGCCGGGC GTGTTGGCGG GCGCCTGTAG TCCCAGCTAC TTGGGAGGCT GAGGACAGGAG  
86941 AATGGCATGA ACCTGGGAGG CGGAGCTTGC AGTGAGCCGA GATTGCGCCA CTGCACCTCA  
87001 ACCTGGGAGA CACAGCGAGA CTCCGTCTCA AAAAAAAAAA AAAAAAAGATG GCTTCAAGGA  
87061 ATGTTCCCTAC TGCTCACTGG AATAACTCAC CTAAATTCCT GGCAAGATGC AGGTCTAGAT  
87121 AAAATGTTAT GACATCTAAG TATTCAAAAC ACATTCCCAG CACTGAGAGT GAGTGTCTAG  
87181 TGGAGAGTAG AAACGTATAG AGCCAGAAGC TAGTCTGGAA AGAATTCTTA CAAAGTTTAC  
87241 AACTTACATG TGAAAGGAGC TTAACAGAGG ATTTTCCAAA TTTGAAAACA ATCTAAAAAA  
87301 CTTACTTGAC ATTACCAATA ATGTGTTTTG AAAGTGAAT ACTTCTAAGT TATGAAGAAA

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87361 ACATATTATC ATCAGCCACC CTGGAGGAAA GATTGAATTC TATTTCCATT ACCTATAGAC  
87421 AACATTACAA AATAATTTTCG ATCTGAAGAT GGAATCAGAG TATTCAGTCA AAACCTACAGG  
87481 AAAATATACT TGGTAGTGTC ATATTCAGAA GTTAATAAAA TATGCTATTT TCTGAATTTT  
87541 GTGATGGCTG TTGTTTTGTC AGCTTTTATA AAATTGGAAT TTGATTTTAT TTTCCCATTA  
87601 TAAATTTATA TTTACAGTCT GCAGTACTTT TGCATTTTTTA ATTTTACATT ATAGTTTTTA  
87661 ATAGTTAACA AGTTGTAAAA GGTTTGATCC CCAGAAAACC TTGATCTACC CCATCAGTTA  
87721 AGTATACTAA TATATTTAGA AAATGGATGA AATCAGCATT TGAATATTTT TAAATATTTA  
87781 TTAAAAGAGG ACATGGGTAA AAGAGCTTTG CAGTTGCCAC CCTTCATTCT CAAATCCCT  
87841 GGATAAGGAT GACCGCATAA TCTTTGGATG GTCATACGCA AGTCTTGTGT ACTTGTTACA  
87901 TAAATCTATT TAGTGGACTT TTGGCAGTGT GTACTGAGGC CAGTTTCTTC CACCTGAGCT  
87961 CTGACTCCAC CTCCAGCAGC CAAAACCAA TACTGAATTT TGGGGTCAGC TATTGTTTTT  
88021 GTGGACTTAG GTAACATACAC ACACATTGTC TTTATGATAG CTTTAATAAT ACTGCCATCA  
88081 GAACTAAAT TGTACAGTGG ATTAAGAGGA GTGACGGTGG TGTCCCAGG AGCCTTTCAA  
88141 TATGTAAGTA TTTACACATA TACATGTAA AAAGACCCCT AGGAATTTTT TAACAAGGGC  
88201 AAAACAGTAA CTCAGCTTGT TTTCTCGCAG TAAAACCGGT TGAAAAGGCC TGATAGACTT  
88261 GTCTGCAGTT ACAAACCTTG TGTGTAGTTA TCACCTTTAT ATCTCCTGGA AACTAACATA  
88321 GACAACCGAA TGGGTTACAA CTGTTTTTAA GTGAAATTGT GAGTGGCTCT GAAAAGAGCC  
88381 TTTTCAATGA GGAAGAAACG GGCAGACTTA TGCCCTTTCC CCACGGATGC GACGTGCCAG  
88441 CTGGATATCT TTGGGCATGA TGGTGACGCG TTTAGCGTGA ATAGCGCACA GATTGGTGTC  
88501 TTCGAAGAGT CCCACCAGGT AGGCCTCACA AGCCTCCTGC AGCGCCATCA CCGCAGAGCT  
88561 CTGGAACGCG AGGTCGGTTT TGAAGTCCTG GCGGATTTCT CGCACCAGGC GCTGGAACGG  
88621 CAGCTTCCGG ATCAGCAGCT CGGTGGACTT CTGGTAGCGA CGGATTTCTG GCAAGGCCAC  
88681 GGTGCCCCGG CGGTAGCGAT GAGGTTTCTT CACGCCACCG GTGGCCGGAG CGCTCTTACG  
88741 GGCTGCTTTA GTAGCAAGCT GCTTGCGCGG AGCTTTGCCG CCGGTAGACT TGCGAGCTGT  
88801 TTGCTTCGTA CGAGCCATTT GCAATGAGAG CACACACAAA AGTGTAGTGA ACTGAGAGCA  
88861 AGTGGCCTTT AAATATAGTG AGAAACATTC TGATTGGTCC TGTAATATTT CAAAAGTCCC  
88921 GCGCGATAAA ATCATTGGCT GAAGAGTGAC CAGACTGATT GGTTTCATTAC TAGACAATCT  
88981 TATTGGATGA GTTGCCCCAC CGCCCATCCT GTCCTTTTCG TTTCAGTTAT CTGCAGCGAC  
89041 AAATTGTCTA AAATTCTAGT TCATCCAGTC CCAAAGAACA GAGTGTATAA CAAGGTATCT  
89101 AAGGATTTTT AAAATGTAAA TTCCGATTCA GTAAGTTTGA GTGGGACTTG AAATTCTGCA  
89161 TTCCTGACAG TCTCGCAAGT TATCAATGCT GGTGAACACT CACTAAACCA CAGAAACGT  
89221 TCAGACTCAT GTCGGGAAAT AACGCTTATA TTCAGAGAAT GAGATTCCAT GCTATTTTGT  
89281 TACTGGCGAA CAGCAAGTTT CTTTGCCCTT TGTTTTCTAA GTCCAAGTCA CATTCCCACC  
89341 CTGCCCTGTT TCAAAATGTC TTATTTTGGT TGGCCTTAAG TTTCACTTTG TATACTCTAA  
89401 AATGTACTTT CTAAAGGAAG GTGTTATTTT CTCGAAACTT AACTTTTTTAA CACCATTAGG  
89461 CTAGGGGGGC GGTGGCTCAC GCCTGTAATC CCAGCATTTT GGGAGGGCGA GATGGGACGA  
89521 TCACTAGAGG CCAGGAGTTC AAGACAACCC TGGCTAAAAT GGTGAAACCC CGTCTCGCAT  
89581 AAAAAACAA AAACATAGCT GCGCGGGTAG CAGACGCCTG TAATCCCAAG TACACAGGAG  
89641 GCTGAGGCAT GAGAACCGCG TGAAGCGGCG GGGTGGAGGT TGCAGTAAGC CGATATCGCG  
89701 CCGCTGCACT CCAGCCTGGG TGACAGAACT AGACTGTCTC AAAACAAACC AATCCAAACG  
89761 AAAAGCAAAA AATACCCATA CAGAAGCAAG TTATCATCCT TTCTTGTGTA ACTATGGACG  
89821 GCTCTGAAAA ATGCCGTTTC AAGTGTAAAG TACGTTTTCT GATTTGAGTG TTTACTTGAC  
89881 CTTGGCCTTA TCGTGGCTCT GTTATTTTGG CAACAGGACG GCCTGAATAT TGGACAGGAC  
89941 GCCTCCCTGA GCAATAGTGA CGTTGCCAG CTGCTTGTGT ACCTCCTCGT CGTTTCGGAT  
90001 GGCCAGCTGC AGGTGGCGGG GGATGATGCT GCGGGTCTTG TCACGTATGG CGCTGCCAC  
90061 CAGTTCTAAG ATCTCGGCGG CCAGGTATTG TAAGTACACT GGCGCACCGG CTCCGACCGG  
90121 CTCAAAATAA TTGCCCTTTC GAAAAAGATG ACGGACTCTG CCTATTGGG AACTGCAAGC  
90181 CCGGTAGCGA CGAACAAAGT TTGCTTTTAG CTCCATTTTC CACGTCCGCA AATAGCGACC  
90241 TATGAAAAGCA GCGGAAAACG GTGAAAGACA AGCAAGCTGG AATGGCGCCT GAACAAATCC  
90301 TTTTATACAA ACTGCAAGGC TGCAATAGGA AGCTATCCTA TTGGTCAATT ATGTTTGGTG  
90361 CTTTATCCAA TAGAAAAAGA TAACATAAAT TCCATATTTG CATAAACCCC ACCCCTCAGT  
90421 GAAACCGTGT TTCTTTTGTC CAATCAGAAG TGAGGAATCT TAAACCGTCA TTTGAATCTC  
90481 AGGACTATAA ATACATGGGC TCTGAACTGT TCTCTGTACT ACTCTGTAGT GGAGAGTGTT  
90541 AGTAGCTTTT CTATTCTGTT TAGGAATAGC AATGCCTGAA CCTCTAAGT CTGCTCCAGC

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90601 CCTAAAAAG GGTCTAAGA AGGCTATCAC TAAGGCGCAG AAGAAGGATG GTAAGAAGCG  
90661 TAAGCGCAGC CGCAAGGAGA GCTATTCTAT CTATGTGTAC AAGGTCTGA AGCAGGTCCA  
90721 CCCCACACC GGCATCTCAT CCAAGGCCAT GGGGATCATG AATTCCTTCG TCAACGACAT  
90781 CTTGAGCGC ATCGCGGGCG AGGCTTCTCG CCTGGCTCAC TACAATAAGC GCTCGACCAT  
90841 CACCTCCAGG GAGATTCAGA CGGCTGTGCG CCTGCTGCTG CCTGGGGAGC TGGCTAAGCA  
90901 TGCTGTGTCC GAGGGCACTA AGGCAGTTAC CAAGTACACT AGCTCTAAAT AAGTGCTTAT  
90961 GTAAGCACTT CCAAACCCAA AGGCTCTTTT CAGAGCCACC TACTTTGTCA CAAGGAGAGC  
91021 TATAACCACA ATTTCTTAAG GTGGTGCTGC TGCTATTCTG TTTTCAGTTCT AGAGGATCAA  
91081 CTGGAATGTT AGCGAAGACA AGTTTTAGAG CCAAGGTTAA CTTGGACGGG GCCGTGCGCG  
91141 GTGCCTCTTG CCTTTAATCC CGGCAATTTG GGAGGCCGAG GCGGGCGGAT CACGAGGTCA  
91201 GGAGATGGAG ACCATCCTGC TTAACACGAT GAAACCCCGT CTCTACTAAA AATACAAAAT  
91261 AATTAGCTGG GCGTGATGGT GGGCGCCTGT AGTCCCAGCT ACTCGGGAGG CTGAGGCAGG  
91321 AGAATGGCGT GAACGCGGGA GGGCGAGCTT GCAGTGAGCC GAGATCGCGC CATGGCACTC  
91381 CAGCCTGGGT GACAGAGCGA GACTCCGTCT CAAAAAATAA AAAAAAATAA AATTAATAAA  
91441 ATATGAAGTT TTGAAGCAGA AATTATTTTG TCGTATGTTT TTTTCATAAA TTTTGTCCCTG  
91501 CCTGCCTTCT TCCTTTGTGA CAGAACTCCA AACTTTACCC AAAGGTAGCT GTTGGGTGAG  
91561 GGTTTCTGTA CTATAGTCCC TTCTGTGGTG GCCAGAAATA TGTTACAGGA AAGAGGTCCC  
91621 CATCCAGACC CCAAGAGAGG GTTCTTGGAT CCCGCGCAAG AAAGAGTTCA GGGTGAGTCC  
91681 GCAGTGCAAA GTAAATGCAA GTTTACTAAG AAAGTAAAGT GGTGAAACGA CAACTACTCC  
91741 ATAGACGGAG CAGGACATTC CCGAAAGTAA GAGGAGGAAG GCATCCACCC TAGGTACAAT  
91801 ACTTGATATAT ATGGGGAGAT GTGCTCTGCT ACAAGTTTGT GATAAAGGAT TAATTTTCTT  
91861 AGTTACTATA TTTTGCAAGA ATCAACATTA TTATCTTTAA ACAAATTAAT GAATGCCTTT  
91921 GTTCTCCAGA TATAGGGATA TCTGGACACT CCTAAGTCTG AGTCTGTTTA GTAAACATTA  
91981 TTTATTTGTT CCCTTAACCG TAAACATCTA GAAGCTAGGA ATGACTGACT TTCTGGGAAT  
92041 GCAGCCCAGA AAGTCTCAGC CTCATTTTCC TAGCCCTCAC TCAAATGGA GTTACTCTGG  
92101 TTCAAGTAAC TCTGACACTT TTCTTCTCTT TTTTCTTCTT TTTTCTTCTT CTTTATTTTT  
92161 TATTTTTTAT TTTTGAAATA AGAAATCAAG AATACTTGAT GTTTCATCTA AAACAATACC  
92221 CATAATTGAT AAGCCAAAAC AAAACCTAG GTCTTCTAAC TCAAACCTAG GATGTTTTGC  
92281 TGTCTCTGCT GATACTCGGC TGATCGTTAA TAGGTAATTA ACAAACAAGC CTTGCTATGT  
92341 CCCCCTCAGT TTATTACCAT TAGATCATAT GCCTACTGTC AATCATATTA ATCCACAAC  
92401 ATGCATTTCA CAAAACCTGC CATAAAAATT CACAGGTTTC CCGCTTCCCT CGAGTTTTC  
92461 TTTCCGAAGG GTCCCCATGA ATATAAAAT TATATTAAAT ACATTTGTAT GCTTTTCTCT  
92521 TGCTAATCTT TTTTTTTGTT TTTTGAGACT GAGCCTTGCT CTGTCACCCA GGTGGGATG  
92581 CAATGGCGCG ATCTCGGCTC ACTGCAACCT CCGCTTCCCA GGTTCAAGCG ATTCTACTGC  
92641 CTCGCCCTCC CGAGTAGCTG GGACCACAGA TACGTGCCAC CATGCCCCGC TAATTTTTGT  
92701 ATTTTLAGTA GAGACAGGGT TTCACCGTGT TGGCCAGGAT GTTCTCAATC TCCTTACCTC  
92761 GTGATCCGCC CGCCTCGTCC TGCCAAAGTG CTCGGATTAC AGACGTGAGC CACTGCACCC  
92821 GACCAATCTG TCTTTTTGTA GAGGGGCCTC AAGCATGAAC TTAGTGATGG GTGAGAAAAA  
92881 CAGAAATTTT TTTTCCCTTA CAATATAAAC ATTAATTGTA ATGTTATCAT TCAGGACATT  
92941 TTGGTGACCA ATCTTACAGA AATTTTATCT TGTGCAAGTC TATGCAAACC AATATGTAAA  
93001 TCTTCTATAA GTGAGATTGT ATTTCACTTT TCTAGTATCC TTTTAAATTA ATAAAAGAGA  
93061 TTCTAATGAT TATTTTCATT ACTGCATTTT ATTGTAGGGA AGTAGATAAT TGCCCTTTAT  
93121 TCACTGACCT TCGCTTTTTA AAAATTTTAA CCATGTTACC ATGAAAATGC TTTTCAGTAT  
93181 TTCTCTACAC ACAAGATTGC TGTAAGGGCA AAAATAGAGA TAGGAATCAT GCATCCATTG  
93241 ATATACATAT TTTGATTTTT AATACATGTT ACCAAGTTGC CTCCTGAAGG TCTGTTTACA  
93301 CTCTCACCAA CAGGGTGTTT TTTCTGACT TCCACAAATG CTCTGAACA GTGGGTGTGT  
93361 TAGTCTGTTT AAATTGCCGA CATGAACAAT TAAATCTCAT TGTTGTTTTT ATTTTGAAGA  
93421 CAATTATTGT TTGAGACTGC ACATTTTGAT AATAACATTT CTTCTATTAT GGTTTGATTA  
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93541 TAGCTCCATG TATTAATAAG TATTAAGTT TGAGGGCTTA TGATATGTCA GTTACATTTT  
93601 TAAGATTTTT TTTTTTTTTT TTTTGTAGAC GGAGTTTAC ACTTGTTGCC CAGGCTGGAG  
93661 TGCAATGGTG CGATCTCGGC TCACCGCAAC CTCCGCCTCC AGGGTTCAAG CAATCTCCT  
93721 GCCTCAGCCT CCCAGTAAT TGGGACTACT GGCAAGCGCC ACCACGCCTG GCTAATTTTG  
93781 TATTTTATT AGAGATGAGG TTTCTCCATG TTGGTCAGAC TGGTCTCGAA CTGCCGACCT

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93841 CAGGTGATCC ACCCGCCTCG GCCTCCCAAA GTGCTGGGAT TACAGGTATG AGCCACTGGG  
93901 CCCGGCCACA TTTCTAAATT CTTTATAAGT ATAAATTCAT TCAATCTTCA CCAAAACTCA  
93961 ATGAAGTGTG AGTACTATTA TTATCATTGT TTTACAGATC AAAACAAGTA ATACAGTCAC  
94021 TTACTGAGTT CTATACACCT GGTAATTTTT TTGTTTCGTT GTTCTATCAA TTATTGGGGA  
94081 AGGGGTGTTG AAATCTCTAC CTTTAAATCA TGTATGTGTC TATTTCTCCT TTCGGTTCTA  
94141 TCAGGTTTTG CTACACATAT TTTGCAGTTC TGTATTTTGG TGCATATACA TTTAGAAATG  
94201 CTTGTTTTTC GTATTGGATT GACCCTGTTA TCATTATGTA ATATCCCTGT CTGTTCCTAG  
94261 TAATTTTCTT TGCTCTGAAA TATACTTATC TGATATATCA TCCAAAAGAC CACCAGGATG  
94321 GCTAAAGAGT AGAAAGGAGA GATT'TACTGG CAATACTAAT TTGCAAGCCA GGAAGAGATG  
94381 GTCCCAGAAC CTGCCAAAAT TACTCTCTCT TTGGGGAGAA GGAGCAGGTT GGT'TATTTTT  
94441 ATGCCTCATA GGCTATATAT TACACAATAG AGTCATACAT ATTTAGCACG TTTGGGGGGA  
94501 CAGCTATATA TATTATGAGG GGTGCCAAGT GCATT'CACAA TGGATAAACA CGTGTAAATAT  
94561 ACCTCCCATG TTCACCTCGA GGT'TAAATTT TGGT'TAAAA GAGGTAGAAT TTAGGTC'TTT  
94621 ACATCACAAAG GTGAACATA GGAACAAAGT TTACGTGCTG CCTCTAGCAG CTGGCTGAAA  
94681 ATGGCTTAAG GTCTACAATT ACGTGTAAAG ATAGAATGTG TGTCAAGGCG GTCCCTCTGT  
94741 CAATCAGAGT TGTAGTGGAC TGGACTGTAA ATCAGAGTTA GGAGGGCTTC TGATAGCTCC  
94801 TATAGTTAAG GAATTTAGCA AGTGTGAGTT TTTTGGTAGT CTTTGGAAAT TAGGAATTTG  
94861 CCATGCCAGC CAAGCCATGA ATGCTCTACC AGTAGGTAAC TTTGTTTGCT TAATCTTAGA  
94921 GTCTGTCTTA GTTGGTATAG GGGCATCTAT TTTGGTCTTT CAGATCCCAG ATATTATTAA  
94981 TACAGATACT CTTGCAGTTT TGGGCTGATG TTTATATGGC TTATCTTTTT TGCAGCCTTT  
95041 AATTTCAACC TGCGTTATGT TTATATTTGA AGTGAGATTC TTGCAGACAG TGTACAGTTG  
95101 TTGTTTTTTTT TTTTTTGAGA TGGAATTTCA CTCTTGTTGT CCAGGCTGGG GTGCAGTGGC  
95161 ACAGTCTCAG CTCACTGCAA CCTCCGCCTC CTGGGTTCAA GGGATTCTCC TGCCCTCAGCC  
95221 TCTTGAGCAG CTGGGATTGC AGCCATGCGC CACCACACCC GGCTAATTTT TGTATTTTTTA  
95281 GTAGAGACAG GATT'CACCAT GTTGCCCAGG CTGGTCTCGA ACTCCTGACC TCAAGTGATC  
95341 CGCCAGCCTC GGCCTACCAA AGTGCTGGGA TTACAGGTGT GAGACCTCGC GCCCAGCCAA  
95401 ACTGTTTTTT TATGGGTGTA TTTATACCAC ACACATTTAA TGCAAT'TAT GATATCTTAG  
95461 GGCTTAAGTT CATGAAGGGT AGTGTGGGAA CCATAGTCTC TTGGCCCACT AAATGTTTGC  
95521 CAGAAATCAC TGACAAGGCA GATTGATTAA TAGGTGAAAA GGCATTTTAC CTATTGTTTA  
95581 ACGTGTCTAT GTGGGAGCAT TCAGAATTAA TTACCTAACT TCCCAATGAG TTATAGATGC  
95641 TTATATACCA TTTT'TAGATC ACAGAAAGAA TTGGGGCTTA GATTCTGGTA AAACAGGTTA  
95701 TGGGAGGCAA AAGAGTTTTG GCTTGCAAAG GTGGCCTTGT TAGGTAGGTG AAGCCTCCCT  
95761 CAGAAAGAAC AGATGGTAAA TGTTTTCTTT ATGATTTTTTA AGTGT'CAGAC TCTCAGTCTC  
95821 TCCTGGATCT GGGGAAAGGT ATAGAAAGGT GAGGAGGCAT GGCTGCATTA ATGGAGATTC  
95881 TCTACAGATG TAAAATTTTT CCCATTTAAG GCAGCTTTGC AAGCCCATTT CTGCCTGCTG  
95941 GCCAAGCAGC AGCCATTTCA AAATATGTCA AAGAAATATA TTTTGGGGTA AAATATTTTTG  
96001 ATTTCCCTTA GACTGGTGGC CTTATAAGAA AAGGAAGAGA CACCTGAGCT GACACACATA  
96061 CCCTTGCTCT CTCAACATGT TATGATGCAG TAAGAAGGCC CTCACCAGAT ACTAATTCCA  
96121 TGCCCTTAGC TTCCCAGGTT CTAGAACAGT AGGAAATAAA TTTCTTTTCT TTAAGGTTA  
96181 GCCAGTCTGT GGTATTCTGT TATAGTATCA CAAAATGGAC TAAGTAACATA TATTATGATC  
96241 ATCTTACATG ACTGATCCCT CCTACATCAT ACACATACAC AGGCCACATT TGGAACATTG  
96301 TTAGAGGTTT CTCTGCCAG TACAAATGTA CTACAAATTA TATATGTATT TTTAAATTTT  
96361 TGAGTATCTT CAATAGTATA TTTTCGTAA CTTTTGTAGT CAAAATGTCA TTATAACATG  
96421 TATTCAATAT GCATAATTAT TAGTCAGATG TTTTACATTC TTTCTTCATA CTAAGTGATA  
96481 TGGTTTGGAT ATTTGTCCCC TCTAAATCTC ATGTTGAAAT GTAATCTCCA ATGTTGGAAG  
96541 TGAAGCCTGG TGAAAGGTTT TTGGATCGTG AGGGTGAACC CCTCATGAAG CGCACTCTTC  
96601 AGGTAAATCA ATGGGTCTC ACTTTGAGTT CACAAGAGAT CTGGTTCTTT AAAAGAGTGT  
96661 GACACCTCCC CCATCTCTCT CGCTCAGCTC TCACCATATG ATATGCCTAC TCCCTCTTCA  
96721 CCTTCCACCA TGATTGGAAG TTTCTGAGG ACTTGCCAGT AGCAGATGCC TGCACCACAC  
96781 CTCCTGTACA GCCTGCACAA CCGTGAGCCA AAAAAATTA CTTTTCTTTA TAAATTAGTC  
96841 AGTTTCAGGG ATTCCCTTAT AGTAATGCAA GAACGAAC TAACACTAAG TCTATTTTAT  
96901 ATTTACAGAA TAGCTCAATC TGAAGTACCC TTTTTCAACT TCACAGTAGC TACTTGTAGC  
96961 TAGTGGGCAC TGATTTGGAG CGTGTTCAG GGTGAATTGT ATTATGCAAT TAACAGATTT  
97021 TTTTATTTGT TTTTCGCAAC CACGAGGCAT AGATTGTCTT ACTTTCTCTG CTCCTGGTGT

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97081 TGGAGTTGTT ATTGGGAAAC AACTTATTTT CCTCTTATAT TTATATGGAA TAAATAACCC  
97141 CCAATATTTT CCTCCCCAAT ATCTGCCTTT TGTATGTTTT TTGAAGGCAA GTGCCTAGAA  
97201 TTTACTGTTT TTGAAGCACT TACTGAAAGG ATTGCCATCA AGTTGTTTTG CTAATAGTAC  
97261 ATGCCAGGCG CTTGTTGGTT TGCTTAATTC AAGGTAACCT GGATGAGAAG AAGAGTTTTT  
97321 CTCATCCATG GCTCAGTGGA GTATAGATTA CTGATATTGT GACTGGATGT ACTCCTGCTT  
97381 TCTAGTCTGA GTTTTTGAAG CTACCCTTAA TCTTGGTTTC AATTTTATCT AGCCCTGTAC  
97441 ATATCCAAGG CTCTTTCCAA AATGGTCTAC GATTTGTTTA GGAAGTTAGA ATAGCTGTAC  
97501 TTTCTGAACC ACGGTTCCCTG ACATTTTCTG GACTTCAAAC ACATCCAGCA TTTTATCGAA  
97561 GTATTTATCC TTCTTACTTG GCTGGCTTCT TCCTTGCTT CAGGTCTGAA TTCAAATGAC  
97621 ATTCTCCTGA TGAACTTTT CATCCTTATT TCTATTCTTT TTTCTTATCC CCTTTCTTTA  
97681 TTTTCTCCCA CAGCACTCAT CACTTATCTC TACATTTTCA TTATGTATTT ACCTTATTGT  
97741 GCACCTCCCA GTACAAGACA AGTAGCACCG TAAGGAAACA GGTTGTCTGC TTTTTCACGT  
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97861 TGAAC TAATA ATGCTGGATA TACATCTCCC TCATGAACTC TCTAAATCCT TCTAATTTAC  
97921 ATTGATCAAT CTCTTTTCC ATGTGCTTTT GTATGATTTA TTGCTCAAAA TCTTTATTTT  
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98221 AGAAGACTTG GGAGAAGGCA AAAACAAAC TAAAAATGAG CACTTTTAGT CTCCTGACAG  
98281 TTTCTCTGAA TCAAATCCAT AGTTCGTGTA CAGCGTTGGC TTAGAAGCAG ATTTTTTTTT  
98341 TTTTTTTTTT TGAAATGGAG TTTTCGCTCTT GCCCAGGCTG GAGTGCAGTG GCACGATCTC  
98401 GGCTCACTGC AACCTCTGTC TCCAGGGTTC AAGCGATTCT CCTGCTTCAG CCTATGGAGT  
98461 AGCTGGGATT ACAGGCTCCC ACAACCACGC CCAGCTAATT TTTTGTATTT TTAGTGAAGA  
98521 CTGGGGTTTC ACCATGTTGG CCAGGCTGGT TACGAACTCC TGTTCTCAAG TGATCTGCCC  
98581 GCCTTGGCCT CCCAAAGTGT TGGGATTACA GGCATCAGCC ACCGTGCCCC GCCAGGAGCA  
98641 GATTTTTTTT CACTCATGTT TCTTTTCCCT TCTGTCATCC TGTTTCAGTA TAAGCAGACC  
98701 ACAGATAGAA GTAGTAGATA CCTCAGAAAT TCCTGGAATA ATTAATCCAC GTTCATCTGT  
98761 ATCCCATCTG CTCCTATCTC ATGGAATATA AAAGGAAAAA CACCAAGATT TCCCTAGGCA  
98821 ATCTGTCTTG ATTTTAGGTT CCTCAACAGG AGAGCCAGAC AATGGCTGTA ATAATATTGT  
98881 CCCGGCCAAG GAAAACTTC CCCTTTGCC TCCCAAGGTT TATGGAAAAA TACTGGCAAA  
98941 ACACAGATTA ACTGGAGAAA AGGCATATAT ATTTATTTCA TCACAATTTT ACAGGAGATT  
99001 TTAGAATTAA GACTGAAAGA TACAGGGGAA ATTGCCCAT TTTATGCTTA GGTTC AACAA  
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99541 TCTTTGAACT GAGGGCACCT AGGAAACAGT AAATTCAAGG AAGGGCTTTC GCTGAACTCT  
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99721 GTTAACACCA TCTAAACAGA CTTTGTACCA GCTGTACCT ATTCTTGAA ACACCATTT  
99781 ATTTTCTCC AAAATCATAT ACTTCCCCC AAGTTGCCA CATCCCCCT CTTCTCCCT  
99841 TATGAATCAA GAGAGCTTAT AAGCTTCTAC AGTTCAGTGG GATTTGGGGT ATTCGCTTTT  
99901 CTTCCCTCCC ACTCCCCCTC CCCTTTTTTT GTCTTTGAGA CACAGTCTTC TGGCTCTGTC  
99961 GCCACGCTG GAGTGTGGTG GCTCTATGTG AACTCACTGC AACCTCCTCC TCTCGGGTTC  
100021 AAGCGATCCT CCCACCTCAG CTCTCGAGT AACTGGAAC ACAGGCGTGC ACTACCAAGC  
100081 CCGGCTTTTT TTTTCTTTTT TCTCCCCCGT TTCTTTTTTT GTTATTTTAC TGGAGACAGG  
100141 GTTTCTCCAT GTTGTCCACG CTGGTCTCGA ACGCCTGACC CGCCGTCCTC GGCTCCCAA  
100201 AGTGCTGGTA TTACGGGCAT GAGCCACTGC GCCCGATTG AAGGACCTCT TAAATATCTA  
100261 TTTAGAAATT GGTCGGAGTC CACTCCTTTC CAAAAACATG AGTCACAATC CGGGAAAAGC

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100321 ACGAGCGGCT GAAAGTCAAA ATAACCAGAA CAAAACCTCC ACTCATGCTT AAAAAAGGTA  
100381 TTTTGACAAA ATCCTAATTC GGCCAATTAT TATTAGTATT CAAGTCGAAG GCTCGTCAAG  
100441 CCAGACTGGG GATTGGGTCA AACATAAACC TTACACCAGA CGGAAGGATT ACATGCAAAAT  
100501 GAAGGATGCA GATTCTGATT TCCCATTGGG TATTTGACAT TAGCCAATGG GAGAATTCCCT  
100561 CACAGCCTAC CTCCAGTCAG TATAAATACT TCTCTGCCTT GCGTTCCTAAT GTAGTTTCAT  
100621 TACATTTTCT TGTGGCGATT TTCCCTTATC AGAAGTAGTT ATGTCTGGTC GCGGCAAAACA  
100681 AGGCGGTAAA GCTCGCGCCA AGGCTAAGAC TCGGTCTTCT CGTGCAGGTT TGCAGTTTCC  
100741 TGTGGGCCGA GTGCACCGCC TGCTCCGCAA AGGCAACTAC TCCGAGCGCG TCGGGGCTGG  
100801 CGCGCCGGTG TATCTCGCGG CGGTGCTTGA GTACCTGACC GCCGAGATCC TGGAGCTGGC  
100861 GGGCAATGCG GCCCGCGACA ACAAGAAGAC CCGCATCATC CCGCGCCACC TGCAATTGGC  
100921 CATCCGCAAT GACGAGGAGC TTAATAAACT CTGGGGCGT GTGACCATCC CGCAGGGTGG  
100981 CGTTTTGCCT AATATTGAGG CGGTGCTGCT GCCTAAGAAA ACTGAGAGCC ATCATAAGGC  
101041 CAAGGGAAAAG TGAAGAGTTA ACGCTTCATG CACTGCTGTT TTTCTGTCTAG CAGACAAAAT  
101101 CAGCCTAACA GCAAAGGCTC TTTTCAGAGC CACCTACGAC TTCCATTAAA TGAGCTGTTG  
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101641 ACCTCGAACT CGGGCTCAAG CGATCCTCTT GACAGCCTTC TGAGTAGCTG GGATTACAGG  
101701 CGAGAGCCGC CACGCCCGGC TAAGAGCATT TTTCTAATTG CCCACACTTC TTATGCGACA  
101761 CCCAGAAAAA TACAATTTTA AATAAAGCGC ATATGCAAAT TTCCCTAATC GTCTCCAATA  
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101881 TGTGGTTGTA AATTTTAAGA CTTCAGGAAA CTTTTCCAGT ACAAGACTTG TCCACAGTGG  
101941 ATATAGCAGC TAAGGGGTGA ACAAAATGAC CTAGAGTAG CTACGGTAAT GGGCAGGAGC  
102001 CTCTCTTAAT CTGCAACGAG GCACAGAGAT GGACCAATCC AAGAAGGGCG CGGGGATTTT  
102061 TGAATTTTCT TGGGTCCAAT AGTTGGTGGT CTGACTCTAT AAAAGAAGAG TAGCTCTTTC  
102121 CTTTCCTCCA CAGACGTCTC TGCAGGCAAG CTTTTCTGTG GTTTTGCCAT GGCTCGTACT  
102181 AAACAGACAG CTCGGAATC CACCGCGGT AAAGCGCCAC GCAAGCAGCT GGCTACCAAG  
102241 GCTGCTCGCA AGAGCGCGCC GGCTACCGGC GCGGTGAAAA AGCCTCACCG TTACCGCCCG  
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102361 AAGCTGCCGT TCCAGCGCCT GGTGCGAGAA ATCGCCCAAG ACTTCAAGAC CGATCTTCGC  
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102481 TTTGAGGACA CAAACCTTTG CGCCATCCAT GCTAAGCGAG TGACTATTAT GCCCAAAGAC  
102541 ATCCAGCTCG CTCGCCGCAT TCGCGGAGAA AGAGCGTAAA TGTAAGTCA CTTTTTCATC  
102601 AGTCTTAAAA CCCAAAGGCT CTTTTAGAG CCACCCACTT ATTCCAACGA AAGTAGCTGT  
102661 GATAATTTTT TGTTGTCTTA ACAGAACAAA TTTCTAAGGA CCCCCCGGA AAGCATTAGA  
102721 CTATGGTCTT AAAGTTGATT AACAGAAATA ACGGTTTGGT CAGTCTTGCA GTGTAGGTTA  
102781 TTTCTGACCT TATTAAGGTG CTATTTGGAG AGAAGCTGTG TAAGTCCACT ATCATTCAGG  
102841 CCTCTAGCTT GCTATGATTA GCATTTGTTT AAACAACCTT GTAAGAGTAA GGGAAAAATC  
102901 TGGTAAGTAG TTAAGTGGCG CTTACTAGGC ATTTTGTCAA AGCTTTGAAA AGATTAGAAA  
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103021 ATACATGATC CCCTAGGTTT TCTCATATAT TATATATATA TATATATATA TATATATAGT  
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103381 CCATTTTCTT TCTGTTGATC TTGCTTTTCG GTTTTGGAGG TTGGGGATTG AGTACTGGAA  
103441 GAAAATTTAG AGGGATGGGA ATACTGTACG CAAACAAAAG TAATATTTAC TTTAAAATTT  
103501 TTATATTTTG TATTTTTTTA TCATATAGCT TTTACATCAC ATTTTACAGA CTAACTTTAG

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103561 AACAAACCACA GAATGTCCAA CATTAAAACCT ACTAATTCCA AAGACCTTGC CTCACATTCT  
103621 TTTTACAAAT AAATATTTTT TACACCTAAC ATTCTTTCTT GGCCTACATC TAGAATGTAA  
103681 ACTGATGTAC CATACTAAAA TCGCCTGACC AACTGTCAAC AACACAAAT CACACACACA  
103741 AAAGATTAAA TTTGAATTGC ATCGTTTACT TAAATTCATT TGTGTTCCAG CTTTTAATAA  
103801 GGCAGTTTTT GGTTTATAAA GTAATATTTG CATTTTAAAA ATTATGAAAA TGAATATGTC  
103861 AGTTTGTTTT ATGATTCGTT TTTCTTGACT CTTATACAAG CGACTCTAAC TGGCATAGAC  
103921 ATTTGTTATC CACAGACAGT ATAGATATGT TAGAGATGCC AATGGACTTG GTCTATGCCA  
103981 AGGTGACTAC TCACAAGCTC TGGGCCCAGC TGAAGGTCAA GTATTTTTTT TCCAGTTATA  
104041 GATGTGCTGG ATCTGATGTA TAGCGCTTGA CTTTTTATAT TTTCTTTATC TGTAGGAAAC  
104101 AAATGTGTTG GAGGTACTGG GTCTGACGAA TAGCATAAAA GAATAAAGTT ACATTACTGT  
104161 CTGAGGATCA GATGGACAGG GGGTGGTAGC TCAGTCCAGC TATTTTCCAC TCCCTCACTT  
104221 ACATTCTTTG CCCCCTCCTC AACAGAACAA GGATTCTGCT GTAACCTTC ATTGACAGTT  
104281 GATTTTAAA AATTAACGAA TGGATGAAAT TCTCATTTGT GAAAGAAAA TTATTGAGCA  
104341 TTTTGTATTT GTGAGTAGTG CAAACATTTT AATATTATAT TAAGAATCTA TTGTTTTGTA  
104401 TTAGAGGAGT AATTAAGGAG AGATTGGAGA CAAAAAGGGG GTGTTGTTTG CAGAATATAC  
104461 CATCCAAAAA TAGACCACTG TGGGATCAGG ATTCTTTTGA GCTAAAGGCA CTTCAAAAAC  
104521 AGCATTCAAG AAGGGAATTC TTCTAAACTT TTCTTTCTGA AAACAGGAGA TAAAAGTTCC  
104581 AATGTGAAAA ATGCTCTGCT TGTACCAGGT GAAAAGACAT ATTCTTCAGC CCAGAGGCAT  
104641 AGATGAGATA ATTCTGCACA AACACAGCAG GGAGTCATAG CCGAGAGACT TCTATACACA  
104701 AACAAACCTT GTTAAAATAA TCATATATTC CTTTAATCTC CTCATATGGT TTACTTTCCC  
104761 ACAATTGCCCT CTCTTTAACT TAATGTGAAA GCATTTAGCT TTTGCCATTT CTTTGGGGCT  
104821 TCACTTTTTT ATGAGGGTTC TCCTGTCCCA TAAAATTTAC ATTAAATACA TTTGTATGCT  
104881 TTCATTCTGC TAATCTGTTT TATGGCAAAT GAATTATCAG GTCCAGCTGG AGACCCTAAC  
104941 AGAGTAGAGG TAAAATTTTG CCTCCCTACA AGATAGAGAT TGTGTGCATT AAATGTTGTT  
105001 TGTTCCCAGT TGTTCAAGTT GTCAGGCCTC TGAGCCGAAG CTAAGCCATC ATATCCCCTG  
105061 TGAAGTGCAC GTATGCCTCT AGATGGCCTG AAGTAACTGA AGAAACACAA AAGAAGTGAA  
105121 AATGCCCTGT TCCTGCCTTA ACTGATGACA TTACCTTGTG AAATTCCTTC TCCTGGCTCA  
105181 TCCTGACTCA AAAGCTCCCC CACTGAGCAC CTTGTGACCC CCACCCCTGC CAGCCAGAGA  
105241 ACAACCCCTT TTGACTGTAA TTTTCCACTA TCTACCCAAA TCTTATAAAA CGGACCCACC  
105301 CCATCTCCCT TCGCTGACTC TTTTCCGACT CACCCCGCCT GCACCCAGGT AGAATAAACA  
105361 GCCTTGTTGC TCACACAAC CCTGTTTGAT GGTCTCTTCA CACGACGCG CTTGAAACAG  
105421 TTTAACAGGG TTTTTCCTGC CCAGTCACAA CAAAGTGATG TTATGCTGCA GGCTGAAGTT  
105481 TACAGCTAAT GCTGTTGAAG TCTAAAATCA GTTTTGGTTT GTTAGATTTG GGTGAGATGG  
105541 CTAAGATTCT CAGAGAAAAG AGTCAAGTTT GGGGTGCATT TTTCAGACTT AAAAATTTAG  
105601 CAGTAGCCCT TGCAGTTTTT CCAATAGAAG TGATTTAAGA ATGTTTTCAG GAAATTTAAA  
105661 ACAACAGTGA GAAGCGTGTA TGGAGAGTTG AACTACACTC CAGACTTGGC TATAGGAAAG  
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106621 TCAATATGTC TTCAAGCACT TGAAAGACTT AAAAAGTTTA CCACTCCGGC ATATTAGTGA  
106681 AAGCCCTTAA TATAAGCCCT TATTAAAATT CTCAGTCGAG GGTATAAATT CAGATTCAAA  
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106801 CTCCCTCGCA GTCCTTAGGT CACTGCCCCCT CGAGGGGCGG AGCAAAAAGT GAGGCAGCAA
106861 CGCCTCCTTA TCCTCGCTCC CGCTTTCAGT TCTCAATAAG GTCCGATGTT CGTGTATAAA
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107041 TGCTGCGGGA TAACATCCAA GGCATCACCA AACCGGCCAT TCGGCGCCTT GCTAGGCGTG
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107161 TTCTGGAGAA CGTGATCCGG GACGCCGTGA CCTACACGGA GCACGCCAAG CGCAAGACTG
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107341 TCAGAAAGAG CTGTGATTGT ATTCTTTTCGG ATGGTAACAT CTCAATGGCT TTACTCGGCT
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107461 GAGTGGCTGC TAAAGCAGAA ATCAGCTAAG TAAACGAGGT CTCCGAGATA AGTGAGCTAT
107521 AAACCTCAAT GCTATAGTTT TGACATGTCA AGCAACTTAA CGTGCAGCGC GAGTCCGATA
107581 AATGAGTAGC TCAGCTTTTT AGTTTTTAAA ACGAGTTGTG CGTTATTTGT ACGAGAGCCT
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107821 CTTGGCGTCC TGCTGAGTGA CGTCACCTCC CCCTTCTCTG GAGTAGGACT GGCGGTTAAA
107881 GCTGCTTTGC TATTTTCAGT CCTCAGGCTG GAGGCTCCCC TAAGCAGGCT GCCTACGCAG
107941 TTCGTAAATT CCCACTTAGT AGACTAAGGG AGTCTGTTTT ATAAATAAGG ACTCAAATTT
108001 CTTCTGACTC CGAGGTCCGT GGCAGCAGCT ATAAGATGGA AGCCCCCTCT GATGTAAGAT
108061 TCTCAGATGA CTTGCATCTT CACTGTACCT GTCAACCCAA TAGTCTTCTA TTCCTGCCTT
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108181 TGTCAAAGTT AGGTGACCAG ATTTTATAGAA GTCAGCCAAA TATTCAGCAT CTTTGATTTA
108241 GTAACAAATA TATTGATGGC TACTTCAGCA AAAAAAATCA ACTTTGTTTT CTGGTTACTT
108301 TGCTAACAAG CTTCTCCTGA CAGGAGGATA TAGTGAATAG GCAGTTGAAT AAGTGAGTTC
108361 GGGTGAGAGG TCTGAGCTGG AGATAAAAAAT GTGTGAGTCA TCAGCAGATA AATAAATGCT
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108481 TAAATGAGTG GCAACTGTAA AGTTTTTCAT AGAAAGGACT AGAGTGATCT ATACATCCAT
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108661 CTCACCACTT ACATGCTCTG TGCTCTGTCA AATAGTTTGT TCAACAGAAC ACCACGGCCT
108721 AGCTGTAAGT GCCACGTAA CTTCTAGCAA TGCCAAAGCC TGTGATAGTG GCAGCTTCGG
108781 GCTGTTTCTC ATTCGCGGGA TGCCTAACCA CCTCTCCAAA TTCTATCAGT TTGCTTCCAC
108841 CCACTTCAAG CTTCAGAACG AAACATAGAG CTTAAGAAAT ATAGGCCCGG CAAGGTGGCT
108901 CACGCCTGTA ATCCCGGCAC TTTGGAAAGC TGAGCCTGGT GGATCACCTG GGCTCAGGGG
108961 TTCGAGACCA GCCTGGCCAA TATTGTGAAA CCCCCTCTCT ACTAAAAAA AAAAAAAAT
109021 TAGCTGGGCA TGGTTGCGGG CGACTGTAAT CCAAGCTACT CGGGAGGGTG AGACAGGAGA
109081 ATAGCTTGAA CTCGGGAGGC AGAAGTTGCA GTGAGTTGAG ATCGCGCTAT TACACTTAGG
109141 CCTGGGAGAC AAGAGTGAAA CTGTGTCTCT AAATAAGTGT TTGCAATTAT AAACCATCTC
109201 CCTGACCTTA AATCTCTAGA CTCATATACA ACTGCATATT TGATGTATCT AATTGAATAA
109261 TGGGCATCTC GAACTTGTC AAAATATGTT TATACGTAAA CACCAAGTCT GTTCTTCCTC
109321 TGATATTTGT CATGTCAATC AATAGAACTC CATTCTTCAA GCAGCTTGGG CCAGGAATTG
109381 TGCAATATTG TTTGTCTGTA GCTTCTTACA ACTTTCACCC AATGCAGTCA GCTCTGTTGA
109441 AAATCAATCA GAATACCTTT CATTGTTTTT TTTGCTGCTT CTCTAGGAGC AAGCTGCCAT
109501 GGCGGTTTGT CTGAATGACC ACAGTGACCC CAAACTGGTC TTTGTTTTTCA CTTTTAATCC
109561 CCCTGTGATA CAGTTTTTTC TCTATCCAGC ATCAACAGTG ATCCTTTTTT AAGGTATTAT
109621 GTCCACTGTC TGCTGAAAAG ATTCCACTGG CTTTCCATCA CCTTCATAAT AAAAACCAGC
109681 ATCCTTATCA TAGCCTACAA GTAAGATGAC CAACCATTAC AGTTTGCTTG ACTCTCAGGG
109741 GTTTCTCAGG GTGTAAGACT TACAGTGCTG AAACCTAGAA AGTTCCAAGC AAACCTAGGAT
109801 GAGCTGCTCA ACCTACTAGA TCTGTACTCT GGCTACCCTC TGACCTCAT CTCTTCGCAG
109861 TTCTTTCTCT TCACTGACCT TGCTGTTTCT GGAATGGACC AAGCATTTCC AGCATCAGCA
109921 CCTTTATATC TATTCTTTCT CCCTAGAAGG GTCTTGTCTT GGATATCTGA ATGGCTCTAG
109981 ATCTCATTTT ATTCAAGCCT CTCCTCAAAT ACCAACCTTA CGAAAGAGAC CTCCCATAA

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113281 TGGCTCTGAA AAGAGCCTTT GCTTGGACCG TCAGAGAGAC CACAGTAATC ACGCCCTCTC
113341 TCCGCGGATG CGGCGGGCGA GCTGGATGTC CTTGGGCATG ATAGTGACGC GCTTGGCGTG
113401 GATGGCGCAC AGGTTAGTGT CCTCAAATAG CCCTACCAAG TAGGCCTCGC ACGCCTCCTG
113461 CAGAGCCATC ACAGCGGAGC TCTGGAAACG CAGGTCTGTT TTAAAGTCCT GCGCAATCTC
113521 GCGCACCAGG CGCTGGAAAG GTAGTTTACG AATAAGCAGT TCAGTGGACT TCTGATAACG
113581 GCGGATCTCG CGCAGAGCCA CGGTGCCCCG CCGGTAGCGG TGGGGCTTTT TCACGCCGCC
113641 GGTGGCCGGA GCGCTTTTGC GGGCTGCCTT AGTGGCCAAC TGTTTGCCTG GCGCCTTGCC
113701 ACCAGTAGAC TTCCGAGCAG TTTGCTTAGT GCGAGCCATG ACGGAAAAAC AGCACAGCGG
113761 AACACCCAAC ACTAGCGCAA ATACGCCCAT GAGCTGCTCT ATTTATAGTG TGTAAGTGC
113821 AGTGATTGGA TGATAGAAGA CGCTAAATAT GACGTTACAC ACTCTGATTG GTCTATCTTT
113881 AAGCCAGCAA CAATCGTGCA GTTTCACCGG CTACTATATT CTATTCCAAC TCTACAGATG
113941 ATTATTTAAG TGGTATTTTA TTACTACTAT TATTTTATTT TACTTTTGCT TTGTTCCCCA
114001 AGTGGTCTTT AAAGTGGGCT TCAAAGGATC TTCCCGCCTC AGCATCCAGA GTAGCTGGGA
114061 TTACAGGGGA GCCCCACTGC GCCGGCTTGG ACTTTAATTT TTTAAACTTG TCCTCTTCTA
114121 CATCTGGTTT TCATAACCTG AAGGCTGTGT TTATTTTCCA TAAAACAAGG CATTGATTCC
114181 AAAGGTATTA TAATTCCCCA ATTCCGTATA ACCTTCAGCT CTTTAGGAAA AAAAAAAAAA
114241 AAAAAAAAAA GAGGGAATAC TGCTCACCTC CTCTCCGGAA ATGTACCCTT TACGGGAATT
114301 TCTGAAACCT TTCACAAGAA TTGGATTCTT TTGTAATGCT TTAATTGACT TAGGAGTGT
114361 ATTGAAATCT ACAAAGCATC TCAAACATAG TAGGATTACA CTATTACTCA GAAACATTTT
114421 CTATGAGACG TCTTTCTCTT GATTATGCTC TTTGAATCCT AAACCTGCAG CGTTCCTGCAG
114481 CTTTTGTTTT CTAAAGCCTA GGTGTACTCT GCCAGTCACA AAATGGCGTT TCTCCAGCAC
114541 TGCCGCCAGG TACCACCAGC TGGGAGTTGT TCCTCTTGCG GAGCAGGAGG TGGACTTGGC
114601 CCAAGAGAAA CTGGATAGTG GTTCGCAAGG AACATAATTT AGCATTGCCA AGAGCTAATG
114661 CAATCATTTT GAAAATCTCA AAACACTGAA AAGTGGATTG TGACCTTTTT AAATTCACAA
114721 GAGACAGGCC ACATTCTATC TTTTGATTGG TTTAGGCTAT TTTCTTGAAC AGCCATTTAG
114781 AAAGCAGATC TATCATCTT CATTTCATG GAGCGTTCCC ATTTTATTTG AAACCAGTTT
114841 AACCCAATAG AAAAAAGGGA GGCAGAACCC ATTATTTAAA GTGGAACTC CTGAATCAGA
114901 TAATTAGGAG TATTTCTTTT TCAAAAGTTG CGTTTTTTCA GATACCTCGC TTTTATACACT
114961 AAGAAAGGTT TATATCTTTC ACAAAAGGTT TACTTACAAA AATCTTCCAA TTTTGTATAC
115021 CTGTGTTTCA TAATGACTA CCGGTCAAAC CAAGATGTAG AGTTTCCAAC CGTTATTTTC
115081 CAAATTTTTA GAAATTACGT GAAATATTTG AATGCATGCC TTCTCAATAA AATGGGACGT
115141 AGGAAGCACT GGTGCAGAAG ATGGGTACAA TACTTATCTG GGACCACTCC ATTATTTGGT
115201 TGGCACGTTG TTTGAACAAA AAGGGGAAAA GCTCAGGTTA CTTAGCATGG TTCGGACTTA
115261 TTTGAAAACCT ACCACAGCAG GAGCGGAAAT AAGACCGCAT TACCTCACTC TCTGCTGTGC
115321 TGTGCTAGGG GGTATCCAG AATAGGATTG TAGAAGTGGA TGTCGATTTA ATAGTTTTTT
115381 ATTCTCCCAT TAGCTGAGTC TCTGATTGGC AATGTGAGAT CGTTTTAGCT TATTGATACT
115441 TTGAAATGCA CTTAACAGCC ACAAACAAGT TAAAGGGTTG TTACCATAAA ATCTTATCCC
115501 CAGGGTGTGC TTGCATTTAT CACCCGTGTT TGCTTTCACA CTAAGTGGAC TTAACTCCCC
115561 AGCAGAAATG CTGTCAGGGA ACCGGTTTCG TGGACCCAGC ATTTAACGCC TTTCGCAGGC
115621 TTGTGAGGCC CATAAATATT TGTTGAATAA AAGAATGAGT TGACCATGTC ATGGTGCCTG
115681 GATTGCGTGT GCTGACATGG AACACAGGTT GTAAACCTTA ATACCAATTT GGGGCATGTT
115741 GTATGGATGA AAAGGGCATT GGAAATTCCT GAAGTGCATC CCACATTGGA CTGTGGAAT
115801 AAGTTGCAAG TGCAGAAACG TTTCCACACT TGCAGTTTGA GTATTAATTG CAGCGTTTGT
115861 GAATTCGGT GTTGTCTACG ATTCATCTT GTTTGACGTG AAAGGTATTC GCGAGACACA
115921 TCGCTCTAAA ACATTGCCAG AAAATGTAAT AGAGTTGATG ACAACTGGCC CTAACACGGC
115981 CTAAAACTCG CACTTTTCTC TCCCTCCGCA ACTATTCAAA AACTGTATT TTACATTTCT
116041 TGCAAATTAA AAACCTAACAT CTCTGGCAAC GGACCTCTAA AAATTTCTAA TAAAACCTCT
116101 CGGATGCTTG TGGCACTGCA TTTGTAAACC GCCCCCTCTC AACCTACTCC CTAAGGAGGA
116161 GCTGCTTTTT GAGAGAGAAG CGGTACCCTC TGATGTTACT GGGCGGCAGT CTGCCTACAA
116221 TTTCTTTCAC AATGAGGCAA CCAGAGCGGC TTTTCTGTG TGTTTGCCTG CGTTGAGGGG
116281 AGCAGGACCA TAGGCCCTAG AGGCCCCCAG CTGCCTTCTG AGACTGGGCG AAACCTCGG
116341 CAGCGCGCAG GGGGCGCTAG GCGCGGAGG GCGGGCACTG ACGGGACCA ATCACGGCGC
116401 AGTCCCACCC TATAAATAGG CTGCGTTGGG GCCTTTTTTT CGCATCCTGC TTCGTCAGGT
116461 TTATACCACT TTATTTGGTG TGCTGTGTTA GTCACCATGT CTGAAACAGT GCCTCCCGCC

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116521 CCCGCCGCTT CTGCTGCTCC TGAGAAACCT TTAGCTGGCA AGAAGGCAAA GAAACCTGCT
116581 AAGGCTGCAG CAGCCTCCAA GAAAAAACCC GCTGGCCCTT CCGTGTCTAGA GCTGATCGTG
116641 CAGGCTGCTT CCTCCTCTAA GGAGCGTGGT GGTGTGTCTG TGGCAGCTCT TAAAAAGGCG
116701 CTGGCGGCCG CAGGCTACGA CGTGGAGAAG AACAAACAGCC GCATTAAGCT GGGCATTAAAG
116761 AGCCTGGTAA GCAAGGGAAC GTTGGTGCAAG ACAAAAGGTA CCGGAGCCTC GGGTTCCTTC
116821 AAGCTCAACA AGAAGGCGTC CTCCGTGGAA ACCAAGCCCCG GCGCCTCAAA GGTGGCTACA
116881 AAACTAAGG CAACGGGTGC ATCTAAAAAG CTCAAAAAGG CCACGGGGGC TAGCAAAAAG
116941 AGCGTCAAGA CTCCGAAAAA GGCTAAAAAG CCTGCGGCAA CAAGGAAATC CTCCAAGAAT
117001 CCAAAAAAAC CCAAAACTGT AAAGCCCAAG AAAGTAGCTA AAAGCCCTGC TAAAGCTAAG
117061 GCTGTAAAAA CCAAGGCGGC CAAGGCTAGG GTGACGAAGC CAAAGACTGC CAAACCCAAG
117121 AAAGCGGCAC CCAAGAAAAA GTAAATTACG TTAGAAGTTT CTTCTAGTAA CCCAACGGCT
117181 CTTTTAAGAG CCACCTACGC ATTTTCAGGAA AAGAGCTGTA GTACACAGAT GAAATCCCCC
117241 AAGCAAATGC AACACGCCCT CAATTATATT AGAATCACTT GGAGAGTCGA TAGAACTTTA
117301 ACATAGCCTC ATCTAGTAAG AATTTACTAC TCAATCTATC AAAGATAGCA AGGTGAATTC
117361 AAATGCACCG AGTTAAATC GAGTTTTTAA GTACCTGGG TTTCCGGTAGC CGGAAGTCCC
117421 GCGTCTCACG ACTCCAAGCT AATTAGTCAT AACCGTATTG AACCAAGGTT GAAGCCCAGT
117481 CCCAGGCTTG AGGCTTTTTA TTATACAAGG TTAAAGTGGG GATATTGCGT TTTGGGGTCA
117541 ATATTGCTAA AGTAGCATTT TCCGAAATTG GGTGGTCCTA AGAAATGCTT CTGGGATAGT
117601 TGGCAAAATA TATGGCTTAA CCACGCCCTC TCCACAGGAG TGGCTAGCGA GCTGTCTGTC
117661 CTTGGGAAGG ACGGTGACCC TGCTGGCGTG GCTGGCGCCC ACGTTGGCGT CCTCTGAAAG
117721 CCCC GCCAGG TAGGCCTAGC TCGCTTGCTT TCTGCAGCGC CATCATGACA AAGCTTTGAA
117781 ACGCAAAATG CTTTCTTTGT GCAGCGCCTT ACCATGGGTG CACTTACGGG CTGTCGACTT
117841 GGTTTAGGCC CTTGTCAGGA CAAAGGAGCT TAGTTTGTGT GAGTTTGTAG GCTGCAACCC
117901 AAAATCCCTT GCTCGGTTTC TCTGTTTTTA GAAACGGAAG CGCCCTGATT GGATATTTGA
117961 AAATTACTGT GCTTAACTGG ATCGTGTTC ATCAGTCGTG CAGGATTTTC AACCTGGGTG
118021 GAGCCACAC ATTCAAAACT GAAGATCCTT TTCTCAGAAC TGCCCCTTTA AGCTTTTGCA
118081 ATTTTAATTC TGGGGGTCAG ATTTTAATAA TTGGACTTTT TTGTTTACAT CTGACAAGAG
118141 TATATGATGA GCCAAGTTTA CTCACTTTTA CTTAGTGCAG TTCAATTCTA AAAGTTTATT
118201 TTTGCGTGTG TGCATATGAG TTAATAATCA GTTGATTTT TCAAACGGTC TTTTTTCAAT
118261 TGTTTTGCTT AGCTCCTTCC ATCGTCTAAA GTGAGGGATA CAGGCACATC ACATCCCTGT
118321 TCCCCCTTCC TCAAACATAAT ATGTAGCTAC CTAGGTTTAT CCTTTAAAC AAAAATCTC
118381 ACCTATTTTT GTGAGAAATA TACATGTTTT TCTTTGAACT AAGTATTTTA CATACACCTA
118441 TCTATATACA TGCATACTTG TGGTTTTGTT TTTTTAAAAA AAAAAAAAAA AAAACACGTT
118501 ATCTTTTGAG ACTGGGTCTC AGTCTGTTGC CCAGACTGGA CTGCAGTGGC ATAATCACAG
118561 CACACTGTAA CCTCCAATC CTGGGCTCAG GCTATCCTGC AGCCTCAGCA TCCGGAGTAG
118621 CTGGGATTGC ATGCACGCAC CACCAAGCCG GGCTTTTGT TTTTATTTTT TGTGGAGACA
118681 GTCACACCAT GTGTCCAAG CTGGTCTAGA AATGGCCTCA AGTGATCATC GACCTCCCAA
118741 AGTGTGGGA TTACGCTCAC TGTGCCTGGC CTTGTATGCA TAATTGTTTT GTCTTTTGAT
118801 TAGGGTTATT AATTAAAAA ACAAGCCTG GACGCAGTGG CTCACATCTG TAATCCCAGC
118861 ACTTTAGGAA GCCAGATGGG CAGATTACTT GAGCTCAGGA GTTCAAGACC AGCCTGGGCA
118921 ACATGGTGAA ATCCCATCTT GAGAGGCTGG GGTGGGAAGA TGAAGTGAAC CTGGGAGGTA
118981 ACTTATAGTC CCAGCTACTT GGGAGGCTGG GGTGGGAAGA TGAAGTGAAC CTGGGAGGTA
119041 GAGGCTGCAG TGAGCAGAGA TCGTGCCACT GCACTCAAGC CTAGGTGACA GAATGAGACC
119101 CAGTCTCAAA ACAAAAATAA TAAAAATTTT TTACAACGAT GTTATATACA CTTCTGCATG
119161 TTGCTTTTCT CTTAACCAAA CTTTCTTAAA ACCCTGTCT TTTTAAAGAA ATCCTTCACA
119221 TGGAATAGCA TAAGTTATTC ATCCATTTCT TATTGATAAG CATTGATGTT TCCAGTTACC
119281 ACTGCTGAAC ATGGTGCAAT TGAATAGAAT TCCAGGGCTG AGATTGCTAG GTTTTAGGTT
119341 GTATTTTATT ATTTTATTTA TTTATTTATT TATTTAGACA GAGTCTTACT CTGTCAACCA
119401 TGGTGGAGTA CAGTGCCATG ACCTCAGTTG CAACCTTTGC CTCCTGAGTT CAAGCGATTC
119461 TCATGCCTCT GGTCTCCCGA GTAGCTGGGA TTACAGGCAC CTGCCACCAG GCCTGGCTAA
119521 TTTTGTGATT TTTAGGAGAG ATGGGGTTTC ACCATGTTGG CCAGACTGGT CTCAAACCTC
119581 TGGCCTCAAG TGATCTGGCC ACCTCGGCCT CCCGAAGTGC TGGGATTACA GGTGTGAGCC
119641 ATGGCGCCAG ACCTGGACTT TGTCTTCTGT TTCATCAGTC CTTCTGTTGG TTCAAGCACA
119701 GTATCACACT GAAGACTGAT GATTCATATAT AAATATGGTA AAGACTGTAC ACCCTAACTG

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119761	TTCTTATTTT	TTAATTTTAA	GGCAATTTTA	GATTCCAGCT	TTCCAAAGAA	TTGTGGAATG
119821	CTTAGAGCTA	GAGAAGCCTT	GGAAGTCATT	TAGTTTTTGT	TTTGTCTAGAG	AAAATTCTGT
119881	AGAGACTCTG	TCCTGCTCTC	ACTGAATACC	ATCCCATAGT	ACCCCCAAC	AGCTTTAAAG
119941	GGCAATAATA	CCTTATGGAC	AGTATGCTTT	TCCTCAAATA	TATTCTAAGC	CATGGTCAAT
120001	GCAAAAGAGT	GAGAAGGAAA	GTAGAATAAG	TTATCTAAGA	ATCAGTGGGT	GCTCTCTTTA
120061	AACTGATTTA	TCACTCCCC	TTCCAAACTC	TCTTGAAGGT	CACTCTGCCT	CCCTTCTAC
120121	ATAAGAACTC	CTAACTCCAA	GGGAGGAAGG	TAAGTTATTC	TTATTCCCTG	CTTAGAAAAA
120181	GAGAAAATAG	GTTTGGTAAG	CATCCGCTTT	CTGCTACCAT	TCTCTGTGTT	TCTGTGTTTT
120241	TTATAGGATC	ATTCAATTAT	TGGTTGGCTC	TTGAGAGGGA	ATGCAAGGTT	CAAGGACACA
120301	AGCCTAGATC	TTGCCTGTAT	AGAACCTCAT	GATGTTATGC	TTCTCTAAAA	TGAGGCCTGG
120361	AGGAGACATG	TTGAAAAGTG	CCCATAAAATC	TGCAGTATCT	CATGTCTCTC	AATGGGGACA
120421	AGGAGTACCA	TGGGAAATAG	CATTAGGTCA	ATGACAGTAA	CAACTCCCAG	GTGAGTTGAT
120481	TTATTCTTTT	ATTTATAAAG	TTGTTAATAT	GCTACATAGT	CCCTAATTTT	GCCACAAATA
120541	GTCATTATTT	TAATTTTCATA	TTTCACTATT	GATAAATGAA	GGAAAAAATG	AGTAGCAGTT
120601	AAGCAGTCCA	TAAACCTACA	TATAAAGCAA	ATTGGAGATT	TTAAAAATGA	TTCTGGATGC
120661	TTAAAATCCT	TCTCATTGAA	AAAAAATTTT	GATTATGAA	ATTTCAACAT	TCTTTAAACT
120721	GAGAAGCATA	ACATATAAAC	AGAAAACCAC	AGCAAAACAA	AAATGCAAAG	CTCAATAAAT
120781	GAACCAAAAG	TGAACACCAT	AATAATTGCC	ACACAAGTAA	AAAAACAGAA	AATCAGCCAA
120841	CCCTCCCAGA	GCCGCCTGAT	GCTTGCTTCC	AGTCACATTA	TCACTCCATC	TGCCCTAAAC
120901	ATAACCCCTA	TTTTGATTTT	CAATGCTGTA	ATTTAGTATG	CCTGTTTTTT	AAACATATAA
120961	AATGGAAATA	AAACAAATGT	AATCCTATGT	ACCTGACATA	TTTCACTCCA	GAACATTAGG
121021	TTTGAATAGA	TTCATCTGTG	TTGCTGTGTA	TAACTTTAAT	TCATTTTTTAT	TGTTATGTAA
121081	TATTCCATGT	TATGAGTGCA	ACAATTTAGG	TGTCTACTGT	TGATGCATAT	TTGCTTCCCT
121141	TTTTTCAGCTA	ATATAAACAA	TACCGTGAAT	ATTCTGTGT	ATGTGTCTTG	GTATATATAG
121201	GAATACATAT	TTTGTTTGTA	TACCTAGGAG	AGGAATTGTT	GGGTCAAATG	CTAAACTCTT
121261	TTTGAAAGTG	GTGATATTAG	GTTTACATGC	GATGAAATGA	AAATTAAAAC	CACAGTTATA
121321	AACAGCATGG	ATGAACCTCA	CAAACCTAAT	GTTGATGGAA	TCTAGCTGGG	AATTCTCTGT
121381	CTTCCATATA	CTTCCCAATA	TTTTTTTTCCA	ATTAAAATTG	TTAATCTTTT	GAAGATGTTA
121441	TCCATTGTGG	CAGATGTGCA	GTATTATCTC	ATTATGGTTT	TATTTTACAT	CTTTTGCCCA
121501	TTTTTTCTTA	ATTGGATTGT	ATATCAGTCG	ACTTGGGCTG	CCATAACAAA	AATACTAGAC
121561	TAGGTAGCTT	GAACAAAAGG	AGTTTATTAC	CTCACAGTTC	TAAAGGCCAG	GCCAGAAATC
121621	CTAAATTGAG	GTGCCAAGAG	ATTCAAGTTT	TAGTGAGGGC	TCTCTTATTG	ACCTGAAGAT
121681	AGTTGCTGTC	TTAGATTGTT	TGAGTCTGAA	CAGAATACCA	GAGACCAAAT	AATTTATAAA
121741	GAATACAGAT	TTATTCTCTA	GAATCTGGT	GGCTATAAAG	CCTATGGTCG	AGGGGCCCAC
121801	CTCTGGCAAG	GGCCTTCTTA	CTGTTATGGC	AGATGTGAGA	TGTCATCTCA	TATTCAAACC
121861	ACAGCAGTCG	CCTTTTGTGT	CCTCATGTGG	CCTCTTCATA	TGCCCATAAA	ATGACCTCAT
121921	CTCTCTTCCCT	TTTCTTATAA	GGACACCAGA	TCTATCAGAC	TACTGGCCTA	CTCTTATGAC
121981	CTCATTTAAC	CTTAAATATC	TCCATAAAGT	CCCAAAATCC	CTATCTCCAA	ATATAGGCAC
122041	ATTGGGGTGT	AGAGTTTCAA	CATCAATTTT	GGGGGAACAC	AATTTAGGCC	AAAAAGATTG
122101	TGTTTTTTCT	TGTTGGTTTA	AGATAGCTGT	CTTTTTGTCC	TTTTTGTCTT	TTCTTTTTTT
122161	TTGAGGTGGA	CTCTTGCTGT	GTCACCCGGG	TTGGAGTGCA	GTGGCGCTGT	CTCAGCTCAC
122221	TGCAACCTCC	ACCTCCTGGG	TTCAAGAAAT	TCTCCTCCTC	CCAAGTAGCT	GGGACTACAG
122281	GTGCATACCA	CCGCGCCCTG	CTAATTTTTG	TATTTTTTGAT	AGAGACGGGG	TTTCACCATG
122341	TTGGCCAGGC	TGGTCTCAAA	CTCCTGACCT	CAGGTGATCC	ACCTGCCTCG	GCCTCCCCAA
122401	ATGCTGAGAT	TACAGGTGTG	AGCCACCAAA	CCTGGCCTGT	CTTTTCTGTT	TTAAGTTTTT
122461	AAATTTTGCT	CACGAACCCCT	TTATCCATTT	TATGTGTTGC	AGGTATTTCC	TCTGTAACCT
122521	GTCTTCACCT	TGTCAGAGGC	TGGAGTGCAG	TGGCACAAATC	ACAGCTCACT	GCAGCCTCCA
122581	CCTCCCAGGA	TCAAGCGATC	CTCCCATCTT	ATCCTCCTTA	GTAGGTGGGA	CTACATGTGC
122641	AGGCCACCAT	GCCCAGCTAA	TCTTTGTATT	TTTTTGTAGA	GATGGTGCTG	TTGCCCAAGT
122701	TGGTCTCAAA	CTCCTGAGCT	CAAGCAATCC	ATCAACCTTG	GCCTCCCCAA	GTGTTGGGAC
122761	TAGAGGTGTG	AGCCACCACCT	GCACCCAGCC	AATGATATCT	CATGATGCAT	TAAAGTCATT
122821	AATTTAGTGT	ACTCAAATTA	AGCACACTGC	CCTTTTATGC	ACAACCTTTT	TTGTATCTTA
122881	TTTAAAAAAT	CATTTTCTAT	TTCAAGGTCA	TGAAGATCTT	ATTTTATAAT	ACCTTCTTGT
122941	GAAATTAGTT	CTCAAGACTA	CCCTCACTTC	TAACACCAAT	TATAAGTTGG	GAGGTCTGTG

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123001	GTTCCCAATC	AACCTTAGGT	TAGTAATTTG	CTAAAAAGAC	TCACAGAACT	TGCTGAAGCT
123061	GTTAGCCTCA	TGGTTACAAT	TTATTATAGG	ATATATAGCT	TATTATGTCA	TTCCAATGCA
123121	ATGTA AAAAT	ATACAACTAC	TTTTAAAAAG	ATTTTAGCAT	TTGACCCAAC	AATTTCACTC
123181	TGAGGTATAC	AAACAGCAGA	TATGTGTGCA	CATATATACC	AAGACACATA	CACAGCAAAA
123241	TTCATTGTTT	GTAATAGTTG	AAAAGGGGAA	ACAAC TCAAG	GAATAAAGAT	TAAAATCAGC
123301	TGAGAAAAGA	AACACACAAG	GCAGTATTAT	GGATCGAATT	GTATGCAGAT	CTCCCTTGCC
123361	CCCAGAAGAT	ATGTTTAAAG	TCCCAACTCC	CAGTACCTCA	GAATTGTGGC	CTTATTTGGA
123421	AATAGGATAG	TTGCAGATAT	AATTAGTTAA	GATGAGGTTA	TAGTACAGTA	TGATGGGCTG
123481	GTGACTTAGA	AGAAGTAGTA	TATATATATT	TTTTAATAGA	ACTAGTATTC	TTCTAAGGTG
123541	GTCACGTGAA	GACAGACACA	CACAGGCAGA	GACTGAGGTT	ATGCAGCTGC	AGGTCAAGGA
123601	ATG TCAAAGG	TTGCCAGCAA	GTACGAGAAG	CTAGGAAGAG	TCAAGGAAGG	ATTTTCCTAC
123661	AGGCTTCAGT	GGAAGCATAG	ATCTAATGAT	ACCTTCATGT	CAGATTTCTA	GCTTCCAGAA
123721	CTACAAGAGA	ATATATTTGT	TGTTTTAAGC	CACCCTAGCT	TCTAGCTCTT	TGTTACAGCA
123781	GCCCTAGGAA	ACTAATATAG	GCACAATCCA	GGCAAGTTCC	AAATATGAGC	TTCCAGTTGT
123841	CCTCTCCCAG	TAATATGAAC	AGTATTACTT	TCCCAGCATT	AATGTGTGAC	AATACACATG
123901	ACGTACAGAG	CAGTCCCCAC	TTATGCACAA	AACATATGTT	CCAGGACCTC	CAGTGGATGT
123961	CTGAAACCAT	GGATAGTACT	GAACTCTATA	TAGCTGTTTT	TTCTTATACA	GACACAGCTA
124021	TGTAAGGCTT	TAATTTATAA	ATTAGGCACA	GTAAGAGATT	AATAACAATA	AATTAGAATA
124081	ATTGT TAAAG	ATATACTGTA	TAAAAGTTAG	GTGAATGTTT	ATTTCTGAAA	TTTACCGTTT
124141	ATTATTTTTTG	GACTGCAGTA	GACCACAGGA	ACTAAAACCA	TGTAGAAACC	GTATACAAGA
124201	GAAGTGTATT	TCACCCGAGC	CTCAGTGTGC	AGTTTTAATG	GCCTGCCATG	GTTGACTGCT
124261	CACATGGCCG	ATCTTTTAGT	CTACCTCCAC	AGGTAGAGCT	GATACTGTGT	GGCTCAAAGT
124321	TCCTATTATA	AATCACATTG	TTGACTGTGT	GGTGGTCAAA	ACCTCCAGGT	AAACAAAGAC
124381	ACACTTATCA	GTGAGAACAT	TTCAAGGGTC	TAAAATTTCAT	CTCCAGTAG	CTGAGGGCAA
124441	AGGCTAGACC	TCTTTTTGGG	TAAGATAAAT	TTTTTACCAT	ATACTTTATT	TTGCTTTTCA
124501	TGTTTTAACTT	TATTTTGCTT	TTCATGTTAG	TTCCCCTGGA	ATTGTTTTTT	GTGTATAGTG
124561	TGAAGTAGGG	GGTCAAGTTT	CTTTTTTTTT	CCTTTTTTGTT	CTTTTTTCTGT	TTAAAAGGCT
124621	ATACAATTGT	CCCATGCCAT	TTATTTTACAA	GAGTCCTTTC	ACCATTGTTG	TATGGTGCCA
124681	CTTTAGATGT	AAATCAATGT	CCATATTTGT	TTGAGCCTGT	TCCATTTCGT	TGTCTATTTT
124741	TGGACAACAC	TGCCCTGATT	ATTGT CATT	TATCAGTTTT	GATATTTAAT	AAAGCAACAG
124801	ATTTGTTTAT	TTTGGGCCCT	TGGATTTGTG	TATTAAATTT	GAACCCTGTT	TGTCAATTTT
124861	TATAATAAAG	CTTATTGGGA	ATCTGATTAG	GATTACAATG	GTTTTGTAGA	TCAGTTTGGG
124921	GACAATTAAT	ACCTTTAAAA	TATTGACCGC	TTCAACTGTA	AATATACTCC	TCCATTATTT
124981	AGTTTTCTCTG	TTTAATTTAT	CTGAGTAATA	CATTATAGTT	TTCTTCGTAG	AAGTCAGATA
125041	CGTAGAAAAT	TCAAAGCCCA	AGTGCAATAG	CTCATGTCTG	TAATACCAGC	ACTTTGGGAG
125101	CGCGATGTGG	GTGGATCACC	TGAGGT CAGG	AGTTTGAGAC	CAGACTGGCC	AACATGGTGA
125161	AACCTCATCT	CTAGTAAAAA	TACAAAAAAT	AGCTGGGTGT	GGTGGCGGGC	ACCTGTAATC
125221	CCAGCTAATC	AGGAGACTGA	GGCAGGAGAA	TCGCTTGAAC	CCAGGAGGCA	GAGGTTGCAG
125281	TGAGCCAAGT	TCCTGTCACT	GCACCCAC	CTGGGCGACA	GAGCGAGACT	TCGTCTCAAA
125341	AAAACAAAAA	AAAGAACAT	CAAATAATCA	ATGTAGATAA	TTCAAATAAC	TAAAAAATGA
125401	ACAGTTATTA	AAATATCAGG	ATATAAAAGC	AAAAAAATCA	ATAACCTCCA	TATATACAAA
125461	ATGGCCAGTT	AGAGAAAAAA	AAAAGAATAG	GCGAGACTTA	AAAAGGCTGG	GAATCTCCCT
125521	GAAAATCTTT	GAGAGCCTTG	GCCCTGCCCT	CAGGGATTTC	TCTGGCTTCA	TGCCCAGATA
125581	CGGGTACAGT	TCCTTGTTTA	AAAAAATTTT	GCTCCATCAA	TCAACAAGGG	GCTCCTTCCT
125641	CAGAGCACAA	GGACCTCCAT	AACACCGGAC	ACTAGATGTC	TAAGGGACAC	CTCTTAAGGA
125701	AGTTAGACTT	CCAAAGAATG	GTGTTTCCTC	TGTCCCCAAA	CTCTGGAAC	CACAGCACAA
125761	CTGCTCCTTG	GAGTTCGGTT	TCAAATCTAC	AAGGCTGTCA	TGGAGGTTGC	AGACCAAGTC
125821	CGTGGCCTCA	GTGTCCGGAT	GTACGGTGGC	CTTGGCACCT	GAATGTGAGA	ACATGACCTC
125881	CCTGAAACCA	CCACAAGTAT	TGTTTCATGT	TATGTATGTT	TTTTCTTATC	TGAAATTCCT
125941	TTTCTTTAAA	AATTCAAATT	ACATATTTTG	CAAGCCCCCTG	AACAAGCTTC	ATGAGCATTT
126001	ATTGAACCCA	CAGCTTTTAA	AACCTACTGA	ACACTTTGCT	CTATGTTGTC	ATTCACATATC
126061	CACCAATTAT	TTAATTATTG	ATCAATATTG	TTTCCCTTAGT	GTTGGGATCA	TTTATGCATG
126121	TATTTCTTTT	ATATTGCATA	TTTTATATTT	CTGCATTACA	GTTATTACAT	ATTACTTTTG
126181	CTACAGTAAT	AGTTCAAAAG	TGTACATCCA	AAATTTAGCT	GTGAAGTGGA	TGGACTGAGG

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126241 CAGAACTGGA GGCAAGAAAA TGTCACAGTA ATTCTAAAAA AGATGATGTA CAATTAGAGC
126301 AAGAGAGTAG CACTGAAATT GAAGAAAAAT AGATGCGTTT GAGAGAAAAAT TAGGAGGTAG
126361 AATCAACAGA TTAGATGTAG GGATGAGAAG GGTCAAAGAT GACACTAGGG TTTTAACTG
126421 GAGCAAGTAG GTAGACAGAA CATTCTCTCC TGAAAGGGCA GGTCAGATCA TGTGTTGTCT
126481 CAAAGGGCAT GAAGAGTAGA AAGCCTGGGA CAGATCCTGA GATGACCAAT ACCCATGGTG
126541 CAGGGAGAGG GAGGGAGATC TGCTAAAAAG ACTGCAAATG TCAGGATAGT AGAAAATCAT
126601 GAGTGTGTGA TGTCTGGAA GTTGAGACAG TATCACATTT GAGAACATTT AAATTGGTAA
126661 CTCTGACAAA AAGCTGGAGG CCAACTGTGA ATGCCCATGA GAGTGAGAAG CTCCCACACT
126721 TTTGTGGGCA TCAGAAAGCC CACCAGGTTT CTGCAGTGAA GATCTGAGAA GGATCCTCTT
126781 GTGGCTTTGG CAGGGAGAGA AGAATTATTA TGAAATACAC CCCAGAACCT TCTTCAAAAC
126841 AAAGGCCTAC TCTCAAGGGG AAAACATTTT GCCAGAGTCT TATCCCAGCT GGGAGAAGGT
126901 AATTCTTCCC ACTGCAGCCT CATCTAGGCT TTCTGTCTCA CTTAAGGGAA GAAAATTAGT
126961 CAACAGGGAT CAGAGCTTCA TGAAAATAAA TTGGAAATGG TGCAGCCAGG AAAGGAGCAA
127021 AGGTCTGAGG AGGAGGAGAA GGAGGAAGAG GAGTTGTATC ATTATAAATA CTTGAGGAAG
127081 AGGAGGAGAA GGAGGAGGAG GAGGAGTTGT ATCATTATAA ACACCTGAGG AAGAGGAGGA
127141 GGAGAAGGAG GAGGAGGAGT TGTATCATTA TAAACACTTG AGGAAGAGGA GGAGGAGAAG
127201 GAGGAGGAGG AGGAGTTGTA TCATTATAAA CACTTGTGAC GGTCCCAGCC CCAAGATATA
127261 GGCATGCTAA TAACTGAGG CTTAACACTT TGAACACAGA ATGCTGCTTC TCCCTAACAC
127321 CATCAAGGCT CCAACTGAAT AACAATGAAT TATGAATGAA AGAGCTGTAA GGAGAGACAA
127381 AAGTTAGAAAT GAGACAAGTA TTGTTATCTA GAGATGCCAA GAAGGCAAGG AAGATAACTA
127441 AAAAGGCACT CTGGATTAG AAATAGGAAG TCATTAGTGA CCTTGTAAT AATGGAGCCA
127501 GAGGAATACC AAGGCAGAA GCCTCACTAT AGTGTGTTGC ACCTGTCAGA GGTGAGGAGG
127561 TGTAAGTAC TCTCCACAG TGTGGCTTTG GAAGAGAGAA GTCAGCAGCT GCATGGAGAT
127621 TTGGGAGAGG GAAAGCTTTT TTTTTTTTTT TTTAATTGGA AAAGACTGAG CTATGTGTAA
127681 ATAGAATAAG ACAGGAAGAG TGTAAGACACA GGAAAGAGGG CAGACAAAAA CAAGTGCACA
127741 GTTATCTAAG GGAAACAATG GGATCAAGCT GCAAGTATAT AAACCTGTCT TGATAGAGA
127801 ATCCTTGATC TGGTTTATTC AGTGTGTTGGT CCAAACCCAC ATCCCTGTTT GCCTGTCTC
127861 TGACTTGCTC TGTGCCCCAG AAGCCCAGCT TCTACAGATA GCATTAGCTG GCAGGCCCTG
127921 CCCTCTTGCA ACAGCTGGAT TTGGCCAGTG ATCAGCCCAG CAGGAATGTA GATGGCAAAG
127981 GAGAGAGAGG TTAGTGTAAT TATTCCTGTC ATCACCCCCC TGCTTGGTGG GCAGCTCTTC
128041 CTCCACAGTC CCAGCTCTGG CCTAGCTCTG GTTACAGGTT CCCTCCCATT GCCTCTTCAG
128101 ATTTAAAGGT GTGTCTGTCA GGGTATAACT GGGAGCTAGA AATTGCACTG AAATTGAACA
128161 AAGAATTTTA TGGGAATGGT TGTAACTAG TTATAAGAGG ACTGAAAATG GAAAAGTGGA
128221 CAAACGTATC AGAGATAGTA ATGACAGAAA GCAACTACCA CCTCCAGGTT TAGGAGAACA
128281 AGGAAAAGAT TCTTTGAAGA GATCCCCAGA ACTGGGACCT CTGAGGAGTG TATGCTGGAC
128341 CACTGATGAT GATATGTCTG TAGATAGAGG CATGATGAGG CTGATTTTAG GAGCATGGAA
128401 GATCTCCAAA CTGAAGCCAA CTGCTGTTAC TGGATTCAAC TGCCACTGCC AGGTGGAAGA
128461 ACCCATTCTG TGAGGATGTC AACAAACAAA GTGGGAAATC TTTTCACATC CTCCAGCCCC
128521 TCTAGTCTTC CTCCAGTGCT TTCTATTGGT AGGGTTTGGG GAGGTGGCTA GCAAAGCGGT
128581 ATTGGAAGAG ATAGAAGAGA CTAAATCTTC ATAACCAGCA CAGGGTGACA CTGGATCACT
128641 ACTGTTGCTG ATCTTGGGCT GCCTCATATC CCCTGTCTCT CCCATTAGCC CTGTCACAAC
128701 TTTGTAGATA TCCCTTCATT ATATGCCCTT CATATATCTT TTTGGTTTAA CTTTTCTGT
128761 TGGAATCCTA ATATGGCACT CCTCCATTTT TCAGGACCAA AAGAGTATAA AAGATTATCT
128821 TTTACCAAAA AAAAGACAAA AAACCTGATCT AATTCCTGAT TTGATCATTA CACAATCTAT
128881 ACATGTATCA AAATATCACA TAGTACCCCA TAAATATATA CAACCTGTGTC CATTAATAAT
128941 AAAAATTAAA GAAAAGATGG TAAATATAGC TCTGTCAGGC AGTGGAGGTT TTACCACGAT
129001 GGCTGTTATT TCCCCCATGA AGGGGGGAGT GAGGGAGCAG CTGAAAGTAG GTGCTTATAG
129061 GGGTATAGAG GGGCTCAAAG CTTTGAGAGA GGAGAATGTC TGAAAGAGCT GCCAAATAGC
129121 ATGCAGGTCC CATGGGGGCA GAGCCTCTGC TCATTACCA GTGCCTCTTC AATATCTACA
129181 CTTAAGCCTA ACACAAAGTG TGTGCTTAAT AAGTATTTGC TGAGTATGTA AAGTGGAAC
129241 AGAACCAATC TGGCAAACTT TGTAGGACTG GTGGGCAATG AAGATCAGTC AGGTAAAATC
129301 TGTGGATATA AATTTATATT GATCAAAAAA TTCAAGGTTA GGTGTTTTTC TTCAGTCATG
129361 CTCAACGATG CTTAGCCAT GCTCAACTCT TCTGTAGCCA CAGAAAAAAG TTTACCCATA
129421 ATCGAGCTGT GTCTGTGTCT GAATAATGAA AAGACCATGA TGCAAGGGAG TTGGAGACAC

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129481 AGAAACAGTG TTTGAAGTAA TGGGTAATGG AAGCATGCTA CCAGGGAAAG GAAAGAAGTG
129541 GCAATAGGAA GGAACAGAGA TCTGTGGTCC TATGTCCCCT GAGCATATTC ACATGTTAAA
129601 GCTAATTCAG TTTTCAATCA TCATTAAAAAT TTTGTTCCCTA AATATATGGC CATTATTTTC
129661 CACAACCACA CTAAACCTTT ATTACCTCTG GCAAGTGACT ATGCAAGTAA CTAAGAGCAA
129721 AAATATCCAC AACTACCATT TGAGCTATCA ATTTAGGGAA AGTCATCTGG CTATAATCTA
129781 AGTGACCCTC CACTGAATGT CAGTATCTTT GCATATGTGA TTTAAATCTG GGCCCTTCGCA
129841 ACACCATGAA CTGTTCTTGT CTTGAATATC CAGATTGAAG GAAATAATCT GAGTAGTTAC
129901 GAGTCCTGAA GCTAGAAAGA TGGAAACCCC ATTTGCTCAT CAGAAAGCCT TAGAGCTTGG
129961 GCGCTGGCGG GTCCTGTCTC ACCGGGACAG AGGGGCTCTT TCCTCCCCAT CTGATAGTCT
130021 GATAACTAGA GAAGCCGGCC AACTTATCTT CCAAGAAGGA GCCATCTTAG TCCTCCTGA
130081 AATGTTTCATA TTTAGAAATT ATTGTTTGTC AGTAATTTAA CCCCTTAATG GGCTTGCCTT
130141 GTGGTCCATA CCACTGAGTG CAGAGCTTGC CTGGAAGAAT TGTGAGGGCC ATTCCATCTT
130201 CCAGGCAGTA GAGTTCAGTA CTTCTTTAAA ATTGCTGCTG AACTCTGTAT TTGAAAAGAA
130261 AGAATCATTT GGGTGTGGTA GCTCACACCT GTAATCCTAG CGCTTTGGGA GGCTGAGGTG
130321 GGAGGATCAT TTGATGCCAG GAGGACCACCT TGAGACCACC CTGGGTAACA TAGCAAGACC
130381 CTGTCTTTAG AAAAAAAAAA TACAATAAAA TAAATACAAT AAAAATAAAA GCAAAAAGAA
130441 AGAGTCCATC TTAGGGACAG ACTGTAACTA CTCACTGGAG CTTACCTTTA CATAGTTTCA
130501 GATCAATTAT AATAAAACAC TTTTGTGCAG ATTCAATAGG ATTATTTTAA TCCCATCAT
130561 CTCTCTGAGT TTCCAGTCAG TTTCTCTGCA TGTAGACACC CTTCTCCAGC CCACCATTGT
130621 CTCTCCTCCT ATAGCTCCAC CAACAAATCA GAACTTTTTT TAAGTGCACC TAGTGCACCT
130681 AGAGTCTACT CCAGAATGCT CATGGAGAAA GTTTCTGAAA GGTAAGAACTC TGAATGATAT
130741 TTGTAGCTAA AGGGAGACTT GCTAGAGACA ATAAGCTAAT AGTTGTAGAC TTCAGTAGAA
130801 GAGGAATGAC ACTGCAATGT CAGGGTGCAG GACTTCAAGA GGGCAGAGTA TGGAAACCCA
130861 ATGGGAAAAA TGCTCACCAG GAACATGAAG AGAAGGAATT ACGTGAAGG ATTTCTCAAT
130921 GTGTTCCTCA ATTTGCCAG CAGAGGGAGG CCTCGGGTTG ATGGCAGGCT GACCACACAA
130981 TTAAAGAAGG CTGAACCTGG GGGCTTTTAA CAACCATCGT GGGCTCTACT GTAAGCATTT
131041 AGAAAAAGAA AGTTATCCAT TCAAAAATAT ATATATTTTT AAACCTCAGA ACAAATTAT
131101 GAAGAGCTAT ATTTACTTTT CTACATTCTA ATTTTATAA ATCTGAGTAT ATTTTACTA
131161 TATTGTTATA GTACATATTC AATTTTGTAT TTTGCTGTTT TCACTTAACC ATTTTACTA
131221 GATTACTCTG TGTTCATAAT AATCACTTTT TTAAACCTTT TATTTTATT TATTTATTT
131281 TTTTTTGAGT CAGAGTCACA CTCTGTCGCC CAGGCTGGAG TGCAGTGGCG TGATCTTGGC
131341 TTACTGCAAC TTCCACCTCC TGGATTCAAG CAGTTCTCCT GCCTTAGCCT CCTGAGCAGC
131401 TGGGATTACA GGTGTGCACC ACCAAGCCCG GCTAATTTTT GTATTTTTAG TAAAGACGGG
131461 GTTTCACCAT GTTGGTCAGG CTGGTCTCCA ACTCCTGACC TCATGATCTG CCCACCTTGG
131521 CCTCCCAAAG TGCTGGGATA ATCACTTTTT ATGCTGCATA ATTCTTCAGA TTTGTACAGT
131581 CGACTGTATT TACACTCATT TGTTTTATTA GAAAGAATTC CAGAATATTT TGGCTGCCCT
131641 AATTAATTTT ACAATTAATA TGATTTTGAA ATTGGGTATT GGCTCCTTCT GAATTGGTTT
131701 ATTAAAATAT ATTCTAATGT AATTTATGAC ATTTTCATCA TATTAGCATA TTTATTCTGT
131761 TAGAATTTCA TAATTTATAA AGCTACAAAC TGTATGTGAT ATAGCTTGTA ACTTTATCTC
131821 ATAACCTTAT GCAGTTACAA GTAGAAATAA AATGTTCCCC TCAAGATTGC TTAAATTTTT
131881 ATTATAAACA AGTGTAACAA ACAAAATCAC TAAAACACTC CCTCTTTTTT CCCCCAAAAT
131941 GCATGTTTCC ATTTTAACAG AACCCGTATT TAATCAGCAG ATTTCTATGG TGGCTAGATT
132001 TGTAGACTAA ATATTTAAAG TCCCAAAGCA AATGCATTTT TCTCTTAAAT TTTACTGACT
132061 TTTTTTTTTT TTCTTTTTCT GAGACGGAGT CTTGCTCTGT CGCCCAGGCT GGAATGCAGT
132121 GGCACAATCT CGGCTCACTG CAACCTCCGC CTCCCGGATT CACGCCATTC TCCTGCCTCA
132181 ACCTCCCGAG TAGCTGGGAC CACAGGCGCC CGCCACCACG CCCAGCTAAT TTTTGTATT
132241 TTTAGTAGAG ACAGGGTTTC ACCGTGTTAG CCGGGATGGT CTCGATCTCC TGACCTCATG
132301 ATCTGCCCAC CTCAGCCTCC CAAAGTGCTA GGATCACAGG CATGAGCCAC CGCGCCCCGC
132361 CTAAGTACTT TTATCCAAAG AAAATATAAG AGCTCTTCAT CATAACGTAT GTTTCTTGCT
132421 CTTGTTATTA AATATGACAC ATTTAGACTT AAACGTATTT GAAGGTTTAT GACATTGTTT
132481 AAGTTATTAC ATAATTAATT CATAAAGATA ATGACTAGTT TGAAGTACTG ACAGCTCACA
132541 CATCATCAGT TGAACAGCAG AAAGCTTACT AAGCTACTTT CTTATGTTTC TGTCTCCCAG
132601 CTAATAAAAG AAACGAAACC CTTCCAGGTG TTAAGGCAA ACTTTCCTCC CCCTTCTTCT
132661 TATAAATCTG ATTCCATGTT AGTGAAATTT CTACTGATGG CTTTGGTTTC CTCTATAGTA

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132721	GAATAGAGAT	CCTATGGCAA	AAGTCATGTC	TGACATGGTA	GCAAATAGAA	ATGGGGAAAA
132781	GGAAGGTCTG	CAAGAGCCAA	TGTGGGAAAT	GGGGAGAGGA	CTGACTACAA	AAACCCAGCA
132841	GGAATTCCAG	AAGAAAACCTC	CTCAGGACGG	GCACATTGGC	TCATGCCTGT	AATCCCAGTA
132901	CTTTGGGAGG	CCGAGGTGGG	CAGATCACTT	GAGTCCAGGA	GTTTGAGACC	AGCCTGGTCA
132961	ACATGGCGAA	ACCTCATCTC	TACAAAAAAT	AAAAAAATTT	GTCAGGCGTG	GTGGCATGCA
133021	CCTGTAGTCC	CAGCTACTCA	AGAGACTTAA	GTGGGAGAAAT	CACTCGAGCC	TTGGAGGTGG
133081	AGGTGTGGTGA	GCCGAGATCA	CGCCACTGCA	TTCCAGCCTG	GGCGACAAAG	TGAGACGCCA
133141	TCTCAATCAA	TCAGTCTCCT	CGAAAAAGCAA	CATTATGGAG	AGACAGGATT	CCGTCAAGGC
133201	CTGGGGCACA	CAGGAAAATA	TTAAGGCAGA	AGAGAGTTTC	CTCCCCACAC	CACACCGTAT
133261	CCCACAGGCA	CTGCGGATGT	GCATATGCAA	GAGGGGTGTA	TCCTAAGAAT	TTAGAGTCAC
133321	AGAGGAGGAG	GCACCAAGCA	GACTGTGGAG	AAAGTCATGA	CCAGAAAGGG	ACAGAATGTA
133381	AAGCTTTCAG	TGATTATCTG	GCCTCAGGGA	TTCCAGAGGA	ACTGGTCCCA	ATGGTCTCCT
133441	GGTGATGTAG	GTTCCTTAGGT	TTCTTTTACA	GGGGTTTTCT	GGGAGATCGT	TGACCCAGTT
133501	AGCATTCAAG	CAACTTCCAC	CCTGCACTTT	TATTCTTTCC	CCTTCACCTG	CTTAGGTTTT
133561	ATCTGTCCAG	GAAATAATAA	TAAAAATTATT	GAGCCCTGGA	CATGTACCTG	TAAAGCTCCT
133621	TAAAGATGAT	GCCTTCTAAC	TCCTCATTCA	ACAGATACAA	AAACATTACA	ATAAAATGAC
133681	TCATGCAAGA	CACCCAGGTA	GTTTATAGCA	GCTAATAAAA	ACAGAATAAC	TATAAAATAT
133741	GGTAAGTTTA	TAAAAGTTAC	ATTGAGTATA	CTTTATAAGA	ACTGCTTATT	GAGTTTGCTT
133801	AATAACCACA	CAGCACAATA	ATAATATGTA	TATATTTTTA	AATATGTGTA	AATATGTGTA
133861	ACACAAACTT	GTAGAAGGTA	TATCTGAGTA	CAACCCTATT	CTGTTTGGTT	ACCTTTTCTA
133921	GTTCATTATG	TAAGTGGCAT	AGCTACCTAA	GGACTTATGC	TTATAAATGT	TACTCAAAAA
133981	AATACAGAGG	ACATATGTGG	ATAGATAATG	GAAGAGATAA	GATAGGTAGG	TTGAAGGGTT
134041	GGGCTGCCCC	TCCACACCTG	TGGTTGTTC	TCGTTAGGTG	GAATGAGAGA	CTTGGAAAAG
134101	AAAGAGACAC	AGAGACAAAG	TATAGAGAAA	GAAAAAAGG	GGTCCAGGGG	ACCGGTGTTT
134161	AGCATACGGA	GGATCCCACC	GGCCTCTGAG	TTCCCTTAGT	ATTTATTGAT	CATTATTGGG
134221	TGTTTCTCGG	AGAGGGGGAT	GTGGCAGGGT	CAAAGGATAA	TAGTGAGAG	AAGGTCAGCA
134281	GGTAAACACG	TGAACAAAGG	TCTCTGCATC	ATAACAAGG	TAAAGAATTA	AGTGCTGTGC
134341	TTTAGATTATG	CATACACATA	AACATCTCAA	TGACTTGAAG	AGCAGTATTG	CTGCCAGCAT
134401	GTCCCACCTC	CAGCCCTAAG	CGAGTTTTC	CCTATCTCAG	TAGATGGAAT	ATACACCCGG
134461	GTTTTACACT	GAGACATTCC	ATTGCCCAGG	GACGAGCAGG	AGACAGATGC	CTTCTCTTTG
134521	TCTCAACTGC	AAAGAGGCGT	TCCTTCTCT	TTTACTAATC	CTCCTCAGCA	CAGACCCCTT
134581	ACGGGTGTCTG	GGCTGGGGGA	CGGTCAGGTC	TTTCCCTTCC	CACGAGGCCA	CATTTTCAGAC
134641	TATCACATGG	GGAGAAACCT	TGGACAATAC	CTGGCTTTCC	TAGGCAGAGG	TCCCTGTGGC
134701	CTTCTCAGT	GTTTTGTGTC	CCTGAGTACT	TGAGATTAGG	GAGTGAGAT	GACTCTTAAC
134761	GAGCATGCTG	CCTTCAAGCA	TTTCTTTAAC	AAAGCACATC	TTGCACAGCC	CTTAATCCAT
134821	TTAACCCTGA	GTTGACACAG	CATATGTCTC	AGGGAGCACA	GGGTGGGGC	TAGGGTTAGA
134881	TTAACAGCAT	CTCAAGGCAG	AAGAATTTTT	CTTAGTACAG	AACAAAATGG	AGTCTCCTAT
134941	GTCTACTTCT	TTCTACACAG	ACACAGTAAC	AATGTGATCT	CTCTCTCTTT	TCCCCACAGG
135001	AGGTGATGGC	CGGAAGAACA	TGGCAGAGGG	CAAAACAAAA	CAGCATTTGG	AACAAGCTCT
135061	GTTTAAAAGG	AGACTTGTGA	ACAGCAAAGA	GTAGAAAGGG	TTCTCTTACA	ACTGAAGCCC
135121	ATGGAAGACA	AATGTGTACT	GCGTGAGTTT	TAAGGCAATA	GGAGTAGTGG	GACCTAGGGC
135181	ACACCAGAGA	GCATATTAAC	TCTCAAACCT	TTAAAAACAT	TATATCTGCT	GGACACAGTG
135241	GCTCACACCT	TAATCCTACA	ACTTTGGGAG	GCCGAGGCGG	GCGGGTGTAG	CTTGAGCCCCA
135301	GGAGTTCGAG	ACCAACCTGG	GCAACATGGC	AAAATCCCGT	CCCTACAAAA	CAAAACAAACA
135361	AAAAACAAAA	TTAGCCAGGC	ACGGTGATGC	GTACCTGTGG	TCCCAGCTAC	TCAGAGGCTG
135421	AGGTGGGAGG	ATCGCTTGAG	CCCCGGGAGG	TTAAGGCTGC	AGTGAGCCAT	GATAATGCCA
135481	CTGCATCTCA	GCCTGGGCAA	CAGAGGGAGA	ACCTGTCTCA	AAACAAAAAC	AAAAACACAC
135541	CATACCCAAC	CACAATGCAT	CTGTCTTAAG	TACCAGTACC	ACACCCCTCT	ACTCACTACT
135601	AAATAGGTGA	GTTCCCAATC	CCTGGTAGCA	GGTTTAAGCA	TGTTATATTA	AAGGTCTTAG
135661	GCTAGTGAAT	CATTCACTCA	TTAAACAAAT	ACTTATTGTG	CATCTACTAT	AAACTAAGTA
135721	CTGTGCTAGG	TACAAAAGCA	AATAATCTAA	GCTCTATAAA	CTTTACTTTC	TTCATCAACA
135781	AAATGGAGAT	GTTTTAGGCA	TCTACTCATC	ATTCTGAGCT	CCATCTTTTG	TGACTGTAGT
135841	TGGCAGAGCT	TTTTATCAGT	TTCTCTAAAT	AGCTCTACCA	GTCCCTGGTG	GATGCTGGCA
135901	TGCCCAAAGG	ATCCATCCTG	ATGGCCCTGT	CTGCTTACCT	TACCTGCCTG	CCTTTGCAGC

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135961 ACCGCTCTGC TCTTCTGCAG GACTTCCCTT ATCCTTTGGG GTCTTGCTGC TCTTAGGCTG  
136021 CTCTGCTTGT TTTGATCTGC TTTGCATCAC ATGTATGTAA AGGTCCTTTC CTTATTTACC  
136081 CATGACCAAG GTATTATGAG ATTCTGGAAT TTCCCCAAAC CACATTGATT GCTGGGAGAA  
136141 TAGAAGAAGT GGATTACAAG TGGAACCTAG AAGGGGAGTA TTCGAGAAGA CGTCTCTGCA  
136201 AATCCATTTA GAGAGACCTT TCTCCAGTGG TGA CTCAAAG ATGCAGCTCC TTTCATCCTG  
136261 TGGCTTGGCC ATCTTCAGCA CATGGCTCCC AAGGATGTCC TCAGGATGGT CTCTAATCCA  
136321 AGGAGCCTGA AGAGAAAAAA AGGCATGGAG TATTGTGAGT GGTAGGTGGT TATGGACCAG  
136381 TTATGGAAGA ATACACATCA CTTTTGCCCA CCTTCTACTA ACCAGAACTC ACACAGCCAT  
136441 AGACACTGAC AAGTAGGACT TAACAAGAAT CTAATTTTGA GTCTAGGAAT ACGACTGTAG  
136501 CAAATATTTA ACAGCTTCAA ACACAGGTGC ATTGCTATCA CTATGCTTGG CCCAGGCCCTG  
136561 TCTCCCTTTC CTGCCATGTC ACAGGGGCCA GCATTTATGT CTAGATTGGG TTGGTTGGGA  
136621 TATTAAGACA ATAATGAACC AATACAACAT CTTGAGCATA AAACCAACTG ATACAATGAT  
136681 GTACAAAGTCA GATGATTCTG ATGATTATGA ATTATGTCAA TAAAAGAAAT GTGATAACTA  
136741 AGGTAATTTT TGTTTTGGCA AATTTTTGTT TGTTTCATGAC AGGATGAAAT CCTGTCATTT  
136801 GTAGCAACAT GGATGGAATT GCAGGATACT ACATTAAGTG AAATAAGCCA GAAACAGAAA  
136861 GTTAAACACC ACATGTTCTC ACTTATATGC AGAAGCTAGC TAATAAGTA AATAAGTTTA  
136921 TCTCATTGAA GTAAAAAGTA CAACAGAGAT TACTAGAGGC TGGGAATGGT AGGGGAAAGA  
136981 GATGATAAAG AGAGATTCTG TAAAATAAGT TACAGCTAGA TAAGAGCAAT CAGTTCTAGT  
137041 GTTCTATTTG TACTACAGAA TGGCAATAGT TAACAGTAAT AAATAATTTT AAAGAGCTAG  
137101 AAAAGAGGAC ATTGAATGTT TCCAACACAA AGAAATGAGA AATGCTTGAA ATAATGGATA  
137161 TTCTAATTAA TTACCCTGAT CTGATCACTA TACACAGTAT GTATAAAAAA AACACTATGG  
137221 GCTGGGCGCA GTGGCTCACA CCTGTAATCC CAGCACTTTG GGAGGCCAAG GTAAGCAGAT  
137281 CACTTGAGGT CAGGAGTTAG AGACCAGTCT GGCCAACATA GTGAACTCC ATCCCTACTA  
137341 AAAATACAAA AATCAGCCAG GCGTGGTGGC ATGTGCCTGT AATCCCAGCT ACTCAGGAGG  
137401 CTGAGGCAAG AGAATTGCTT GAACCCAGGA GGCGGAGGT GCAGTGAGCC GAAATCGCGC  
137461 CACTGCACTC CAGCCTGGGT AACAGAGCAA GGCTCTGTTT CAAAAATAAA TAAATACATA  
137521 AATAAATATT TTTTAAAAAA AGAACATCAC TATGCACCCC ATATATACAT ATAATTATTA  
137581 TGTCAATTTG AAACATAATT TTGAAAAATG AAAAAATGAA ACACAAATAT GATCAATCC  
137641 TCTCCAAGTT GATATACTTA AAAGGAAAAA AGTCCGAGGG CTTAACTAT TCAATCAAAA  
137701 TTTTATTAAA ATGCTATAGT AATCTGGAAA GTATTTTACA ATGAATTGGT ATAAGGTTAG  
137761 ACACAAAAGAT CAGTGAAACA AAACAGAGAA CCCAGAAATA GATTCACACA TCTATGGACA  
137821 ACTGGTTTTG ACAAAGGTGT CAAGGCTATT TAATAAGTAA AAAAATCGTC TTTTCAGTAA  
137881 ATGTTTCTTG AACAAAGTAGA CATCCGGTGT GGGGAGAGG AGCAGGAGCC TTACCTCAAA  
137941 CTTTATGCAA AAATTAACCT AAAATAGACC ATAGACTTAA ATGTAAAAGC TAAAATTATA  
138001 AAATCTCTTT AAAAAATAGG AGAAAATCAT CAACACCCTA GGATTAGCAA AGATTTCTTT  
138061 AAAACAAAAC AACAGGTTTA TAGTTTATAA AACATAAATA ACAAATGAT AAATTTCTATC  
138121 AAAAGTGAAA ATTTGCTTTT CAAAAACAT TATAAAATGA AAAGCAGGAG GCTGAGGCAT  
138181 GAGAATCACT GGAACCCGGG AGCTACAGGT TGCAGTGAGC CAAGATGGTG CCACTGCACT  
138241 CCAGCCTGGG TGACAAAGTG AGACTCTTCC TAAAAAATAA ATAAATAAAT AAATAAATAG  
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138361 GGACTCGCAC CTGGAAAAATA TAAGGAACCT TATAACTTAG TAAGATGACA AGCCAAAACA  
138421 AAGAGTAAAA GTTTTCAACA GACATTTTAC AAAAGAAAAAC ATACAAATGG CCAGTATGCA  
138481 CATGAAAAGA TTTTAAACAT CATTAGTTAC TAGGGAAATG CAAGTCAAAA CCACAATGAG  
138541 ATACTTCACA TTCAACAGAA TAGCTAATGT TAAAAGGACT GACAATCCCC AGGGTGAGCA  
138601 AGGGTGTGGA GGAAACTACT CTCATATATT GTGAATGTAA GAGGACAATG TTACAATAC  
138661 TTTGAAAAAA GTTTGGCTGT TTCTAACATA AAATTAAACA CTTATACAGC CCAGCAATAT  
138721 TTCTGGGTCA TTTCTCCCAG ATAAATGAAC ACATGTCCAT ACTATGACAT GTACAAATGT  
138781 TCATACTGGC TTTGTTTTCAC AATGCTATAA ACTGGAACA ACCCACGTGT CCATCAACAG  
138841 GTGAATGGGT AAATAAATTG TAATATATCG GCCAGACGCA GTGGTTCATG CCTGTAATCC  
138901 CAGAACTTTG GGAGGCCAAG ATGTACGGAT CACCTGAGAT CAGGAGTTTG AGACCAGCCC  
138961 ATCCAACATG GTGAAACCCC ATCTCTACTA AAAAATTAGC TGGGCATGGT CACGGGCGCC  
139021 TGTAATCCCA GCTACTCGGA AGGCTGAGGC AAGAGAATCA CTTGAACCGA AGAGGCGGAG  
139081 GTTGCACTGA GCCAAGACCA TGCCATTGCA CTTGAGCCTG GGCAACAAGA TGGAACTCC  
139141 ATCTCAAAAA AAAAAAAAT TGCAATATAT CTATATCTTG GAATATTATA AAGCAATAAA

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139201 AGGGAATAAA CTACTGATAT ATACACAAAA TGGATGAATC TCAAAAATGT GAAGGAAAAAT  
139261 AAAAAATACA TATGATATAA ATTCCATTCA TATGAAATTT TAGGAATGGG AAAACTAAGC  
139321 TGTAATTATG GAAAGTACAT CAGTGGCTGC CTGGGGCCAA GAGGATGGAA GAGGCGGCAC  
139381 AGGTGATACT ACAAATGGAA ACTATCTAGG TTGACGGAAG TGTTCTGTAA CTTGATTACA  
139441 GTAGTAACTG TTTGGGTATA TAAAACGCAT CAAATTGTAT AATTAATACA GGTGTATTTT  
139501 ACTGTGTATA AATTATTCCT CAATAAAGTT GATTTTTTCAT TAAATATATT ATTTGCTAAA  
139561 ATGAGGAGAG ACAACTATTA TCTTAAAATA GTTAAGCACA ATAAAAATAC TACAATCAAC  
139621 TCATTATATA TGGAAATTAA AGGAGAAAAA TAGTGGTATG ATTAATTAAT ATAAAAAGAA  
139681 AACCTTCTAA ATTTTATCTT AGCTCATAGT TGTAAAAGCT GCCATCCCTA ACCAAGGCCA  
139741 CCCTTGACCC TTTCTCATGT TCCATCTTTC TGTTTGTTC ATAGTTTATG TCTCACCAAA  
139801 ATCTATCAGA TAAACGTATT CATATGAAGA TTTAAATATA TTACATGTTA AGCCTTAGCG  
139861 AATACTTCAA TATCTAAAGA AGGTACAAAC AAAACAAAAA TCAACACTTA GTTATAAGAG  
139921 ATTACTACT CTCCAGGGA GACCTGAAGA CTAGCCCCTT TCTGGATCCC ACTAGCCCCT  
139981 CATCCCACTC CAAGCCCTCC CCTCCAATCC CATATGCAC TGGCATTCTA ACAAATAAGA  
140041 CCATCAGCTC TGGATATCTG TACTGATTGA TGCTCCTGCT AACTACCTGA ATGATTGCGA  
140101 TGTAAGGACA GCACTGCCTG AATCCTATTT ATCTCTCGCT ATGCCATAGC GGCTTTCCAT  
140161 GCTGATGGCG TGTTTGAGGA TCCAGAGGGG TCTTTGGTTG GCAGGATTGT TTTATTTCCC  
140221 CAAGAGGAGA GCCTTGATGC AAAAATAGGT GAAGAAATCA GTACAACAAA ACAGAAAGCC  
140281 TAGAACTAC TATGAACACA ATAGAGCAGA AGTAGCCTTA AGAGTTGGTG GAGAAAGGAT  
140341 GGTCTATTCA ATTACCTGGG CTGAGAACT GGCTTTCATA TGGAATAAAA ATAAAATTAT  
140401 AGCTATACCC CATATCATAC ACAAAGTTT CTACATCTAA CAAAGACACA GATAGAAAAT  
140461 GTTTTAAAAAT TTTAGAAGAA AATAGTGCAG AATTTTAGTG CAGAATTTCT TAGACTAGAT  
140521 GCAAAAACAA AAATGATTAA AGTGGCCAGG CACGGTGGCT TATGCCGTGA ATCTCAGCAC  
140581 TCTGGGAGGC CGAGGTAGGT GGATTAGTGG AGGTCATGAT TTCGAGACCA GCCTGGACAA  
140641 CATAGTGAAA CCCCATCTCT ACTAAAATAC AAAAATTGGT AGGGTGTGGT GGCTCACGCT  
140701 TTTAATCCCA GCTACTTGGG AGTCTGAGGC AGGAGAATCA CTTGAACCTG GGAGGCAGAG  
140761 GTTGCAGTGA GGGGAGATGG CGCCACTGCA CTCCAGCCTG AGCAACACAG CGAGACTCTG  
140821 TCTCAAAAAA ATCTAAAAAT AAAAAGATTA TTTTAAAAAG ACTATTTTAA ACAAAAAAAA  
140881 TCGTTTAAAT GATATGACAC ACTACATCTA ATATTTGGAA AAGTACTTCT TAATACTTTT  
140941 AATAAAAAAG GCGCTGAGA GCATACAACC TATCCTCAGA AGAGTGTTTG ACCTCTAGGA  
141001 GGGACGCAAG CGCGTTCTTC CTTCAATTTA ACTGGTCATT TTCATTTATT TCAGGAACAT  
141061 CTGAAGTAAA CACAGTCACA CGTTAACCTT TAAAAATCTA GGAGGTGCGT ACGCATAGTT  
141121 CCATTACTTC AATTTTTGTA CTTTTCGATT TTAATAATATC ACAGGGAAGC TCGGTACAGC  
141181 TTCAAGGCTA GGAGGGGTGG CTCTCTCTTA AGCCCTGTCC CCGCCAGCCC CAGACCTCTC  
141241 GTCCCGCCCC CATTGCCCAG TCCCCACCT CACTTCCCCA TTTCCCCACT CCCGCGTCT  
141301 CTTAACGCAC CTCGTTTTTC GTCCAGTGGA CTCAGACCTG TAGTCTTCCA CCAGGATCGG  
141361 CTCCTTTCCC GGAGCTCTCG CTCTTAGAGG AAATTGAGAG AAGCATCAGC GGAGACCCAT  
141421 CTGTGGCTCT CCAGAGGGCG CGGCATTGAG ACCCCAGATC CAGCTGTGAG AACGGACCCC  
141481 AGGCTCACAC CAGGCCTGCG GGAGGCGGCC CACCAGAGGC GCTAGAAAAC AAGCCTCGCG  
141541 GGGAGGCGCG CAGGGCGACT GCAAGCTGTA GGGGGCGCTG GCGCCCTCAC AGGCCAGGGG  
141601 CAGGGCCGCG GCTGCGGGCG GGGCTCCTGC GGCGTGAGGG GCGGCCCCAG GCCAGCAGCT  
141661 GCGCCCTGGC TGGGAGCCGG GGAGCATTTG CTGCTCTGCT GGACCCCTGAG TCTGGCGGCG  
141721 GGCGGCCTCC TCTCCGCTCC CCGCCCGCCA TCCCCCACT CCCGATCTCT CTGCTGCGTC  
141781 TGGCCTCAGG CTGAGACCCC AACGAATCAT TCCCCGATG GGAACATTTT ATGATATAAC  
141841 TGAATTACAG TTTATGTATA ACTGAATTAC GGATATGAGA ATCTCAAATG AGGACGAATG  
141901 GTTTTTACGC ACAAACATG AGACACAAAT CTGTAAGAAA TATAAAGTCG TGACCACGTC  
141961 CTTTCAGAAC TTTAACCTGT TTGCTGAAGT ACGTCAGTAA CAATGGCAGG GAAAGGGTAT  
142021 CTTAAATTTT ACCACAGCCT CAAAGAGGCC ATTTCTGTGA TCCGCTGAGG CTTGGAGTCG  
142081 GCCTTCTGAC CACGAGTCCT GCGGCTATGA AAGAGGAAGC CGCGGTTTCA GGCGTCTCTG  
142141 CGAGTCGTGC AGCCCGCCCT GCTCCAGCTG GGGACACCGG TGGTCACGGC GCTTTCCAGC  
142201 TGCAGATCCA GGCGGCAGCC CAAGATTTGG TCCAGCCGCC AAGGGGTGGC TCGAGTGACT  
142261 GACGGGCCTT GAACGCTCCC AGGACCCACA TCTGGAGAGG GAGGTGGGGG TGGGGTGCTG  
142321 AAGTCATTCT TGGGGCCCCT GGGGGCGGGC ATGGACCTGG GTAAGGCCAG AGAAATTGAC  
142381 ACCTCGTGAC ATCCCTGGAA GAGAAGTACG TTCAGTGTCA CTCCAGAGCT GAAACCGCCT

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142441	TCTGGCTGGT	CCCTCCTCAC	CTACATACTT	TTCTAATTTG	TCTGGAGCAG	GCCGGGCATC
142501	TGTATTATCT	GGTTATTTAA	ATATCTGGTT	ATTTAAAAAGC	TCTCCATTAA	ATTCACATAC
142561	ACGAAAATAA	AAATTAATAA	AAATTTTAAA	AAAAAGAAAC	AAAAGCTCTC	TAATGACCAA
142621	GTCCCTACACG	ATAGTGAATA	AATTTTTTTG	TGTGGTCCCT	AAAATTGAGT	TCATGCCTTT
142681	TCTGAAGTAA	TAGACGCCCA	GAGAAGGGAT	CGACTTACCC	ATCATGCCAC	AGAGATTAAT
142741	TGGCCCCAGA	ATTCTTTAGC	AGACCGTGTA	TATGAACGTC	CTTTGCAATC	ATATAAATTA
142801	ACTGGGAAAA	CCTCATTTAG	TATGTTACAT	GCCTAGCGTT	TTGTGCCTGA	ACACCTTACA
142861	AGAACCAGGG	ACTATTGCCC	CAATATTATA	TTTCAGGAAA	GGAAGGCCCA	GACAAATGGT
142921	GTCAC TGGTC	CAC TTTT CACC	CAG TTTGGTAA	ATGAAAACCAG	AAATTATAGC	TGTACCACAG
142981	AAAGGTGAAA	ACG TTTCTTT	TATAATTTCA	CATACAATCT	TTAATGGACC	CAGTGTCCAA
143041	CACATTTAAAG	CAAGTGCTCA	GGAGTGACAT	CAAGATGTAA	AAAAAGTCC	TGTCCTCAGG
143101	GAGTTTAGGT	CTTGAGAGAA	AGAGACCCAA	GGAGACACAA	GACAAAGGGG	AAAGAGAAGG
143161	AGCGCTGAAG	ACTGAGGACC	CTGCCTGTGG	ACTGAAGTGA	GGATGGGGAC	ACCCGATGCC
143221	CGGAATATGA	CAGTTTGGAG	GGGCCTGAAG	GACTCTTCTA	TTCTCTATCA	GAAAAACAGA
143281	ATTACTCTCC	TAACCAGAAA	AGGTATTTCA	ATTTATATTT	TCCATCACAG	CAC TTTTCTG
143341	GTGATAATTT	AATGTGTTTT	AAAAAATGTA	TCACAGTGAT	GGCCTGGTGT	GAAATAAATA
143401	ATAAAATTTT	AAGAATTTAA	AAATATAAAA	ATCTTTTATA	TAGACATTAG	GAGTTACAAG
143461	GATAACTGTG	AATTATAATT	AGTAATTTAA	TTGAAATACT	GATTATTTTC	ATTTTTATTT
143521	AATTATTTAA	TAAAACCTAT	TTAACATTTA	ATATTTATCA	GTAATTTAAAT	CTAATTGTTA
143581	ATATTTATTA	TTATAAATTA	TTTTAGAATT	AAAAATAAGT	GTAGAAGCGA	GGCATGGTGG
143641	CTCAAGCCTG	TAATCCCAAC	ACTTTGGGAG	GCTAAGGTGG	GAGGATTGCT	TGAGCCCAGT
143701	AGTTCAAGAC	CAGCCTGGGC	AACATGGAGA	AACCCTGTCT	CAATACAAAA	AAATGAGCCA
143761	TGTGTGGTGG	TGCGTGCCTG	TAGTCCCAGC	CATTCTGGAG	GCTGAGGTGG	GAGGATGACT
143821	TGAGCCTAGG	CAGTCAAGGC	TGCAGTGAGC	CCTGATCTTG	CCACTGCACT	CCAGTCTGGG
143881	CAACAGAGCA	AGACCCCTGTG	TCAATATACA	TATGGACAAA	CTTAAATTTT	AAAATGAAAG
143941	CATACTACTG	ATACAGAATT	GAGTAGAGAT	GCAAAGCTAG	TCCTATAACC	AGAACAATAA
144001	AGATAAAAAAG	GAGAGTGGAA	GAAGGTATGT	CATGAATTTT	ATGATAAATG	GCAATTGCAA
144061	ATATCCTGTA	GCAGAACAAA	ACAACAAAAAC	TGTAGATAAA	ACATATCCAA	CCCTTTGGAA
144121	GGCCAAGGAG	GGAGGATTGT	TTGAGCCCAG	AAGTTGGAGA	CCAGCCTGGG	CAACATAGTG
144181	AGACCCTGTA	TCTAAAAAGG	AAGAAAGAAA	AAAAAAAAAAA	GGATGATAAA	GTAGACAATA
144241	TTGAAAGCCA	TTTCTGCAA	ATACATAGTG	AATTTGATCA	GTAATTTTCT	TCCAACAGTG
144301	CAAAAATGAA	TAGATATTAG	TTGCCTGAAA	TAAAAATCAA	ATATCCAACA	AAAAATATTG
144361	ACTATCTAAT	AGTATCTAAG	CTAGTAAATT	TGGCCAGTTA	TAAAATGTCT	TAAATTTTTTA
144421	TTTAAAAAAA	GAAAAACCATA	TTTATAAGAA	GAGGTGATAA	AGAGAAATTA	TTTCAGTTAT
144481	GAAGATTTTG	TTAGAAAACT	ATGAGAAAAA	AAC TATTTT	TGTTTTCAA	AAGTGAAAGA
144541	TTAAGTTACC	AAACAGTTGC	TAAAGAATAC	CAGATGGCTG	AGCGTGGTGA	CTTATGCCTG
144601	TAATCCCAGT	ACTTTGGAAG	GCCAAGGCAG	GAGGATCATT	TTAGGCCTGG	AGTTCGAGAC
144661	CAGCCTGGGC	ACTGTAGCAA	GACCCGTCTC	TATTAAAAAA	AAAAAAAAAA	AAAAAAAAAGA
144721	ATACAAGACC	TTGCTAACAA	TAGCAAAGAT	CAATTAATTC	AAAATTTGAA	AAACTGTAAT
144781	TTATTTAGCT	TTAGAGTACT	CTCGTGATAT	GAGATTGCCA	AATTAATACT	TTGGGTGCAT
144841	TTCTTTTCTC	AAAGGACTTG	CAAATTTACA	AAGAAGTGTT	GAAGAAAAGC	CACACATTGG
144901	CAGGTAATGT	TTGCAAAAAG	CAGATCTGAT	GAAGAACAAT	ATTTTTAGAA	TATACAAAGA
144961	ATACTTAAAA	CTCAACAGTA	AGAAAATAAC	CTGATTTAAA	GCAGGCCAAT	GACCTGAACA
145021	TCTGTTTACC	AAAGAAGATA	CACAGATGCA	AGTATGCATA	TGAAAAGATG	CTTGACATCA
145081	TGTCATTAGG	GAAC TGCAAA	TTAAAACAAG	TAGATACCAC	TGCATACCTA	GTAGAATGAC
145141	CAAAATTTAG	AACACTGTCA	GCACCAAAGG	TTGCAAAGAT	ATGTAGCAAT	AGTAACTTGT
145201	TCATTACTGG	TGAGAATGCA	AAATGTGCA	TCACTTTGGA	AGACAGTTTG	GTGGTTTCTT
145261	ACAAAAGTAA	CCATACTTTT	ACCATAAGAT	TCACCAATCA	CAC TCTTAG	TATTTATCCA
145321	AAGGAATTGA	AAACTTATCT	CCACACAAAA	ACCTGCACAT	AGATGTTTTAT	AGCAGCTTTA
145381	TTCATAATTT	ATCCAAAACT	TGGAACAAG	ATGTCTTTCA	GTAGGTAAGT	GGATAACTGT
145441	GGTACTTCTG	AATAATGGAA	TGTTATTTAG	AGTTAAAAAG	AAATGCATTC	ACTTTGGGAG
145501	GCCGAAGTGG	GTGGATTGCT	TGAGGCCAGG	AGTTTGAGAC	CAGCCTGGTC	AACATGGGAA
145561	AACCCCAATT	AGCCGGGCAT	AGTGGCGTGA	GCCTGTAATC	CCAGCTACTC	GGGAGGCTGA
145621	GATATGAGAA	TCGTTTGAAC	CTGGGAGATG	GAGGTTGCAG	TGAGCCAGTG	CCACTGCACT

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145681 TCAGCCTGGG CAACAGAGCA AGACTCCTCT GTCTCAAAAA AAAAAAAAAA AAGAAAGAAA
145741 AGAAAAAAGA AAAAGAAAAA GAAAAGAAAC GATCAAGCCA TGAAAACACA TGAAGGAAAC
145801 TTAAATGTAT GTTACTAAAA AGCCAACCTG AAAAGACTGC ATACTATATG ACTCCAACCTG
145861 ATGCAGGGCA AGCAAGCCAA AAATTAGGGC TTAGCCCGGG AAGAATTCAA GGGTGAAGTG
145921 GTGGTGTTAG CAACTTTTAC TGAAGCAGCA GTGTACAACA GCAGAACAGG TACTGCTCCT
145981 TGCTGAGCAG GGCTAACCCA TAAGTAATGT GCCCAGAGTA GCAGCTCAGG GGCAGTTCTG
146041 CAGTAATATA CCTGCTTTTA GTTAAGTGCA TGTTAAGGGG GATTATGCAG AAATTTCTAG
146101 AAAAAGAGTG GTAACCTTCG AGTAGGTACA GAGGAAAGAA GTCGATAATG TCCTGTTGTT
146161 GCCATGGCAA CGAAAACTG ACATGGCGCT GGTGGGCGTG TCTTATGGAG AGGTGCTTTA
146221 ACCTCGTCCC TGTTCGGCT AGTCTTCAAT CTGGTCCGGA GTAAAGTCCC TGCCCTCCGGA
146281 GTTCACTCCT GCTTCCTGCT TCACAACCTG ATGACACTCT AGAAAAGACA GTAACATATG
146341 ACACAGTCAA AAGATTAGTT GATAGAAATT GGGTGACAGG AAGTGTGAA AAGGCAGAAC
146401 ACAGGATTTT TAGGGCAGTG AAACCTCTGT GATACTATAA TGGTGAATAC ATGACATTAT
146461 ACATTTGTCA AAACCCATAG AAAGCACAAC ACCAAGAATA AACCCATAATG TAAATTACAG
146521 ACTTTCGTTG ATAATGACGT GTCAATGTAA GTTCAATTGT AATAAATGTA CTACTGTGGT
146581 GCTGGATGTC TATGGTGGGG GGACATTTTT GCTTCAATAG TTACAGTTGA AGTAAATGTT
146641 TGTGTTTCCC ACAATGCATA TGTAGAACT CTCACATTCA ATGTGATGGT CTTTGGAGGT
146701 GGGCTCTTTG GGTGATAGTT AGGTTTAGTT GAGATCCTAG CAGATCGAGT CTTTATGATG
146761 GGCATGATGG GACTGGTCCC TTATAAGAAA AGACCAGAAA GCTAGCTCTC TCTTTGCCAT
146821 GTGAAGACAT AGCAGGAAGG TAGCCATCTG CAAGCTAGGA AAGGGCCTTC ACAAAGAATC
146881 AACTCAGACC TCAGAACAGT GAGAGATAAA TTGTCGTTGT TTAAGTCACT CAGGCTGTGG
146941 TATTTTGT TT CAGCAGCCCA ACCTAAGACT GTTAATTGGA TTAGAAATTT CCTTTTGGGG
147001 ATGGTGTGTG GCGGGCGGGG GCGGGGGAGT ACCTTTGTTA AGCTTTTATA TCAATGAGTT
147061 TGTAGGCTTT TCTTTTTTGG TCATTGACTA GGACAGTTTA AATAGTATGA GTGTGAAGGA
147121 GATTGTTGGT CATCTATTCT ATGTCCCTTC TCTGTTTTTT AATATGAGAA CTCTGATTTT
147181 TCAGCCAACT ACCCTGGA AAAAGCTAAT CTTTCTGACT TCTTAAGTGT GGCCATGTAC
147241 TAAATTCTGG CTAATGCAAG GCAAGCCAAA GGTTTTATGA TAGGTTTTAG GACACTAGAG
147301 TAAAAGAGAG CTGTTGCACA CATGCTCTTC ACCCTACTTT TGTGTCCTTT TTTCCATCCT
147361 ACAACTTGGG TTGTGAGTAT GATGGCTGGA ACTTTAGTGG CTCTCTTGA TCCCAGGGGT
147421 AATTGAGGGG TGGCTGGAAG GAATCTGTGA TTTTCTGGAG TTTCCATACA CAAACAAGAC
147481 CTGGATTTTC TGGGCTTCCC AGACTTCCAC ATCTAGACTT GCTTTAAATG GAGATTAAT
147541 AAACCTGT TT CAGCCACTGT CATTTTGGGC TATTTTATAG AACTTAATCT AATCTTCAAG
147601 GGTACATGAA TTGCTTTTCC TTA AAAAAA AATCAGCCAT AAAATCATCT TCTTTTTTCT
147661 TTTGTTCCCC ACATTATTTA GTTGAGCTC TGTAACTTTT TTTTTTTTTT TTTTGGAGAC
147721 AAGGTCTTGC TCTGTCACTT AGGCTGGAAT TCAGTGGCAT GACCATGGCT CACTGCAGCC
147781 TTGCCCTCCT AGGCTCAAGC AATCCTCGTC TCAGCTCCT GAGTAGCTGA AACTAAGGCA
147841 CATGCCACCA TGCCAGCTA ATTTCTTTTC TTTTAGAGAT GGGAGCCTTG CCCAGGCTAG
147901 TCTCAAACCTC CTAGCCTCAA GTGATCCTCC CATCTCAGCC TCCCAAAGTG ACAGGATTAC
147961 AGGTGTGAGC CACCATGCCT GGCTGCTCTG TAAGTGTCTG AATTTTCAATTT TGTATTTATC
148021 AGTCTGTTTA GATTTTCTTT CCCTTCTTGG GTCAGTTAGG CCATTGGTTT CTTTTTAAAG
148081 GTTTTCAAAAT TTATTTGCAT CTAATTCTTC AAATTACTCT CAAAATTATT CCAGTATATA
148141 TTCTTTTGTT CCTATTTTCT TCTGTATTCT TTATTAAAT AGCTAATGAT TTATCTAGCA
148201 GGACTTATAT TCTTTCCATA ACTTTCCTGC ACCCCAATTA ATCTCCAAT TTATATTTCT
148261 TCTGGCCTTC CTTATAGTTT CCACAGGTTT ATTTTATTCA TTTTTTAAAA CTTTTATTTA
148321 ATTGTTTATT TTATTATCAT TCTTCTTAT TCAGCAATCT AAGTGCTTAG GGATATAGAA
148381 TTTCCCTCTAA GCAGCATATG CTAGGCTTTA ACAATGTTAG GGAGGCCTCC CTTTCTGGG
148441 GAAGACCACA CTTACATTAA CACAGGACTG TGGGATGCCA AGAGGTAGAG AAGAGCTTAT
148501 GAATATCCAG ATTACATCTT CACTGATCCT GCACAAAGGT GGGGTTCCCTC GGTTACCCAC
148561 TGGGTCTTAT TACCCAAGTC TGGGTGAGCA TACCGAGACT ACGGGTATAT AGAACAAGTG
148621 CAACTGGCGA TAATCCTTCT GTTGGGGAGA AAAATCTTTT TTTTCTATTC ATCTTAGGTT
148681 CTCCATCTGT GGCCCTATCA AGTAGACTAA CAAAAGACAG ATTGACAAGA CAGAAACAAA
148741 GCATGTGCAT TGTACAAACA CAGGGGAGTA CTGAGATGAA TACTCAAAG AGGATTTAGA
148801 ACTTGGGCTT ATATAGCATT TTAAGAAAAG AATACATTTT TTAAGTGACA AGGAAGACGA
148861 AAAGGACTTT GAGTTTCTAG TGCAGTAAAT TGTGGAAGG CAACTTTTTT TTTCCCTTTT

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148921 TTTTTTTTTT TTTTAAAAA AAAAGACTTC TCTGGTGCTA TGTCCAGGCT GATAAGAGTC  
148981 TAAAGTCTCT GGTGACTAAC TTTTGTCTCT CCCCAGGTAA GAAGACACCT TCACAATTTT  
149041 ATATCCTGCT TTTAGGCAAA TAGGGAGAGG GCAGAGGTGT TTGTTTGTTC TTAATCTATT  
149101 TTTTTTCTCA ATTGTCTTCA ACTCAAAATA CTTCTTATGC CAAAGATGGC ATATTCTGCT  
149161 ACCCTTCACT TACTACTTAC AACCCAGCCT CTATCATCAT AATTAGAAGT TCTGACCCCTG  
149221 GGAACATGG GCAATAGTTT GAACTCTTTT ATATCTCCCT TAGGCAGAGA TGGAGGCCCA  
149281 GCCATGCCTC TGACATCTAG ACACAACGTG TGCTTCATTT CTCTATTCTC CAGAGGTGAT  
149341 GTTGTAGGAC TTCAACAAAT ATCAGTAAAC ATTAATTTTT TTTTTCCTTG AGGCACAGCA  
149401 TGATCTTGGC TTAGTGCAGC TGCTGCAGGC TCAAGCAATT CTCTGCCTT GGCCTCACGA  
149461 GTAGCTGGGT TACAGGCCCC TACCACCATC CCCGGCTAAT TTTTGTATTT TTAGTAGAGA  
149521 CAGGGTTTCA CCATGTTGGC CAGGCTGGTG TTGAACTCCT GACCTCAAGT GATCCACCTG  
149581 CCTCAGCCTC ACATAGTTCT GGGATTACAG GCGTGAGCCA CCATGCCCTG CCATCAATTT  
149641 TTATGTCAAC TCTAAATTAT AACATTTAGC AATTTTGTGA CTTTTTATGG TCATCATTTAA  
149701 TGTTGTTTAT GTTTTAGTTG TAGTCCTGTC ATTACTCACT CGGGTATGGT AATTTGGTCT  
149761 TTTTCAAAAT GAAGTTAAGG TCTATTTGCT CTTCTCTGAA TCATAATAAG AACTGCCAAC  
149821 AGCCATTTCA GCAATAACTA TTTACTGAGA TTTTAAATA TTTCAAGGTA ATTGGTCTTA  
149881 GCAGACTGGA AAATACCAA TTCTTTTCCA GAACTGAATC CCCCATCAA GTTCAATTTT  
149941 ACTCATAATT CCCTTTTCAT TTGAAGCATC TCATTGTAAG CCAGTCTTAA CCCTTCTCTC  
150001 ACACCTTGCT TGGCTGTTTC TCAGGTAGAA CTCAGTAAGT CTGGTAGCCT CCAGGACTGC  
150061 CGCTTAGATT ATTAACAAC ATGTCAGTGG TTGGAAGAGT CAATGTTATT TTGATTTTTT  
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150181 TGAGTTCAAA TGGCAGCAAA CAAACTAGGA GAACGCAGAC CTTCTGACTT GTGGGTACCC  
150241 CTACTCATCA CCTGAAGACC CTTGGAATC AAAGCCCTGA CCCATTAAAG ACGGATGGAG  
150301 ACAGCAACAT ACGATCATCA CTATTATCTT GCTTTGCCCC AGTCCAGGTT AACCATCTGT  
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150421 CTCAGCACTA GTCTAACTAC TAAGGAAATG ACAGCGAAGA AAACAGACCA AACGTCTGCC  
150481 CTTATGGGAT TTATATTATT TTCTCTGTGC TGGTTAAACC AAGGAGCTTC TGCTCTTTTC  
150541 CTTAGTCACC TGGGGGAGGC AGAAACAAAG GAGAAATATT ATAAACCTGG AAATACGGCC  
150601 GGAGAGTATC AGAGAAGGAA GCCTTCGGGA AAGTAAAGAT GTGGCAGCCA GTATTCCCGT  
150661 TATAAAGGA TACAATCCG GCCTCATAGT CCAGAAAAAT TCCCACAAGC AGGGGCTGCT  
150721 CATGCAGATG AAGGGAAGTT GGGGGAGAAG TAAGTGCTAC ATAGCCTTTC TTTTGCACA  
150781 GCCTGAGGGT CCAGAATCCA GACTGAGGCT CTTGCTTCAT GCCAGTGCCC CTCTGCACAT  
150841 TTTCCATACA AACTCCTAAA TCCCATCCGG TTCCTTCGCC AACATCCACT TCAAAGTAAC  
150901 GTCTTCCTGA GGTGAAGCCT TCACAACCCA AGACACAGGG GAAGGCAGTA AATCTCCTGG  
150961 AAGATGTGTC CTGATCTCTC TGGGTGTATC CACGAGTCAC TTGTCTCCGA TCCTCAGAGA  
151021 GAATTAGTTC GTGATGAGCT GTATCTGGAT CCAGAGTCAC ACTAACTGCA AAACAAAACA  
151081 AAACAAACAA AAATAATTTT GTTGCTGTGA AGAACACAGG TTATTTTATT TTATTTTATT  
151141 TTGAGATGGA GTGTTGCTGT CACCCAGGCT GGAGTGCACT GGCACATCT CAACTCACTG  
151201 CAACCTCCAC CTCTGGATT CAGGCAATTC TCCTGCCTCA GCCTCCGGAG TAACTGCGAC  
151261 TACAGGTGCG CACCACCACA AGTGGCTAAT TTTTAAAT TTTCTGTAGA GATGGGGTTT  
151321 CGCCATGTTG GCCAGGCTGG TCTCAAACTC CTGACCTGAA GTGTTCCACC CACCTCGGCC  
151381 TCCCAAAGTG CTGGATTACA CAGGTGTGAG CCACCATGCC CAGCCACAAG TTATTTTCAA  
151441 TAAACACAGC CTGTGTTCAA ACCCAACTAT TGTTCCTTAT AAATGGGTG AGCTTAGGCA  
151501 AATCATTTAA CTTTCTGAGC CTCAGTTTGT TAACTATAAA GTGGAATTA CCGTATTTGT  
151561 TGCAGAGAAAT GGTGGGTAGG ATTGAATAAG CTTATGTTTG CTTAATGCTT GGTAAAATTC  
151621 CTGGTACATG GTAACCACCT AATAAGTGGT AGTTGTTGGG GTGATCAGGC CCAACACCAG  
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151741 CATAAAGTGG GTCCAGGGTG CCAGCACTAG ATTGGAGGCT GCAAAGGCC TAAGCTCTGG  
151801 GAGCCACAC TATTTATTGG TGATCAAAACA AAGAAGCAGG TGGTGAGGAC GTGAGGGTAA  
151861 ACAGGTGAGG GCATGAGGAC ATGGGGGTAG AAAGGTAGTG GTGCATTAAG CGTAGCTGTG  
151921 ACAGTTTAGC ATTTTCTTTG ACACATGTAG AATATACTCT GCTGCTTGAG ATAGTAGAGG  
151981 ACACGTTTAT GAGTGAAGG CAAGGAACCA ACAAGTCTGT GCACTTTCCA GAGGCTATGA  
152041 GGGGTTTTAT GCCCTGAGCC CTGGGTCCA TCCAAGCCAC AAGGGTTTT ATGCCCTAGG  
152101 CTTAGATTTG TGGTGCAGCA GGGCAGCCTT CCACCATTTG GCACAGAGCT TGGTGTCCA

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152161 AAGGCCACGA GGGGTTTTGG ACCCTGGACC CCGGACATCT TCCAAGACTC TTTTACATTA  
152221 TGACAGACAA GCCAGTCCTG CTTTCAGCTCT TCTAACAACA TGTAAGTAATA ATGATATCAT  
152281 CAACATCATC TTCGTCTTAA TTATTCAAGG ATGCCAAGGT ACAGAACTAA CCTGTTAATA  
152341 TGGTTACCAT CCTGTCCAAA GTTCTTCTCC CATGCAGGAC TTCCAGGAAT CATGAGACAG  
152401 TTGAGCAGAA AGATACCTTT TCCCTTCTCT ACTGAATAAC CACCAACATT GAGAATCAGA  
152461 GAGGGAAAAAT GACTCAGCTA ATGTCTTAGC TTGTTATTGG AAGACCCAGG TCTCATGACA  
152521 CATGCCTAGT CCCATGACTT TTAATTGTAA GCTCTTCTCT TTCCCCTCAG ATAATGTTCC  
152581 ATAAGCATTA GTATGAGATA ATAATACACT GAGGACCAAT ATACATGAAA AATATCAGAC  
152641 TAGAATCAAA CAAGACAGAA AAAAGATCTG ATAACCTAAA GTGAGATACT GAACAGTATG  
152701 CAGTTTTAAA AATAAAAAAT GGTAATAGGA TGTTCTAACA AGAGAGTTAA GAAACCACTG  
152761 TGCTACTGAG TTAAATGTTG ATCAGTTGGT CTGTGACAAT TAAGGAATTC AAGTATTCAG  
152821 AAACACTTCC TGTGCTGGAT GCTCTCTGTT TGTTCTTCCA AATAATCCCT CACTTTTCCC  
152881 TGTCTTGCTC TGTGCCCAGG AAGGCTGACA TGGACAGATT AACCAGGCTT TCCGCCCTCT  
152941 GGCTTGGTTT AGCCAATGGG AAGCACCAGA GGAGACCATA GGGCACAAG AAGCAGCCTT  
153001 GGGAGTATTC AGTACCCAG TCCCACGCTA TGATTTGGAG GGTCTGCATT CCTCTGCCCTC  
153061 TGGGCACACT CTAGTATAGT TACAGCTCCC TACACCTGCC ACTTGAGGCC CAGAGGAGGT  
153121 GATGGCTCTC TAACTGTTCC TAGTTCTGGG TGCTTCCTGT TCCTTGTGGA TTTCCCAACT  
153181 CCTCACCTTT GTAAATACCC TCCTTTTTCA AACTCTATTC AGTTAGCTTT TATCAGCCTG  
153241 ACTCACAGAA GTTTGGGGTT TCAATTCTA TTACCTGAAT GACCCAGGAA AACCCATGTT  
153301 GAGAAATTA AATGTTTACG GGGTGGTAAT ACCACTTAAG AGAAAAATA TCAATTGGAT  
153361 TTTTAAAAT CCACCTATCT ATTGGTGTGA CACATCAACA AAAACATATA GAAAGATTGG  
153421 AAGCTAAAAG ATAGATAATA TAGTCATATA CTGTTATAGT ATTATATCAA AAGATATTAA  
153481 GTCAGAGCAT TATTAAGAAT GGAAGAAGGG CCAGGTGTGG TGGCTCATGC CTGTAATCCC  
153541 AGCACTTTGG GAGGCCAAGG CAGGCGGATC ACTTGAAGCC AGGAGTTCAA GACCAGCCTG  
153601 CCCAACATGG CAAAACCCCTG GCTCTACCAA AAATACAACA ATTAGCTGGG CATTGTGGCA  
153661 CATGCCTGTA ATCCAGCTA CTTGGGAGGC TGAAGCACAA GAATCACTTG AACCGGGGAG  
153721 GCAGAGGTTG CAGTGAGCTG AGATTTCCGC ACTACACTAC AGCCTGGGTG ACAGAGAGAG  
153781 ATTCTGTCTC AAAAAAAAAA AAAAAGAAAG AATGAAAGGA GTCACCTAAA AAAGATAACA  
153841 CAATTTTAAA CATAAATGTA CTACATTATT AGTGAATTCA TGTTTAGAAT TGTGTTAATA  
153901 TACAAAGCAA AAATTGTAGA ATTATAGGAG AAATGGACAA ATCTACAATC ATCATGGGAT  
153961 GTTTTAAACAT TCTTCTTTCC ATAATTGATA GATCAGGCAG ACCAAAAGAA AGAAATAAGG  
154021 GAAGATACGG AAGGTCTGAA CAATCTAAGA AGCGCAATCT CATAGTCAAT ACATAAAGCT  
154081 CAGCAATTGT TTAATAATAG TAAGCAGAGA ATATGCAGTT TTCTCAGGTA TAGATGGAAC  
154141 ATGCACTAAC TGAGTAAATA CTAGGCAGAA AACAGTCTGA ACAAGTTTCA ATAAATCTGT  
154201 ATTACACAGA TCATTTTCTC TAGCCTCAAT ATAAGATTAT AAACCAATAA TAAAAAGATG  
154261 ACTAAAAAGA TTCTAAATAT TAGGAAATGT AAACACTAA TAAGTCATTA GAAGATGTAT  
154321 AGAATGGAAC AATAATAAAA AGTTATTTAT AAAAATATAC AATGAAGCTA AAGCAGAATT  
154381 TTAAGGAAAA TTTGTAGGCT TTAATGCTT ATCTTAGAAA AATTAAAAAG CTGAACATTA  
154441 ATGAGCCAAG CATCTAATTT AAATTTTAAA AAGAACATAG AAAGCCAAAT ATAATTTTTT  
154501 AAAAAGAAAA AATAGATATT AAACAATATA ACAGTGAAGT TAAAGAAAAC AAGAATGCAA  
154561 TAAAGAGGAA AAACAAACAA AAAAAAAGGT AGCTTCTTTT AAAAGAAAT TAATAAAATA  
154621 GACATACCTC CAATGAGATT TATCAAAGTA AGACAGAAGG CACAAATGGA ATGAATACAG  
154681 AAACTTTTTA AATATTACAG AACTTTATAA TAAATCTTAT GCTACTAATA AAATTGAAAG  
154741 TACTGATAAA ATTATTACTT CCTAGAAAAA ATATTTCTGA GTAAACTCA CTCAAAAAAC  
154801 AAATAAAGCA TGGGCAGACC TAACATTAAA GAAATGAAAT CACTACTTTA AATTTTACCG  
154861 ACAGATAATA AAACGTGCAT CTTTATCAAG CAAAAATGGA ACTTGTGAGT TTTATAGGAA  
154921 ATTTAGAAGT CAAGGCATGA GTAATGCCAA TCTCATACCA AATCCTACAA AGAATAGAAA  
154981 ATTTAGGCTC CCGCTTATAG ACATAGATAT AGAACTCCTG CACAAAAATA TATAAATAAC  
155041 AAACCAATT TTATATTTGC AACTATACAT ATTATATGTG TATGTATTAT ATATGTTAAC  
155101 ATATACATAT ATAATATGTA TAGCATATGT TCTACATATT ATATATGTAT AGTGTATGTA  
155161 TTTTACAATA TATAAATGAA AACCCAATCT TTAATATATT CATCTAGATT GTCATATATG  
155221 ACATATATAA TACATTACAT CAAAAATGTG TACAATAATC AGGCCAGGCA CAGTGAATCA  
155281 TGCCTGTAAT CCCAGCACGT TGGGAGGCTG AGGCGGGTCA ATCACTTGAG TCCAAGAGTT  
155341 TGAGACCAGC CTGGTCAATA TGGCCAAATT CCATCTCTAC AAAAAATATG AAAAAATTATC

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155401 CAGGCATTGT GGTGCACACC AATAGTCCCA GCTACTCGGG AAGCTGAGGT GAGAGGATCA
155461 CTTGAGCCTG GGAGGTGGAG ATTGCAGTGA GTCGAGATTG CGCCAGTGCA CTCCAGCCTG
155521 GGTGGCAAAG GGAGACCCTG TCTCAAAAAA AAATTAAAAA ATTAGCCAGG TATGGTGGCC
155581 TGTTCCTGTA GTCCAGCAA CTGGGGAGGC TGAGGTGAGA AGATCACTTT AGCTCAGGTG
155641 GTGGAGCCAT GATCGCACCA CTGTACCACT CGGCTTGGGC AACAGAGTGA GAGCCTGTCT
155701 CGAAAAACA AATATATACA CACAGTAATC AATATATATA TTATATGTAC CAATCAATGC
155761 TTCCTTTTA TATATAATAT AGATTACATC TTATTAGATA TATAGTATTC CTTCTCCATA
155821 GATAGATAGA TACAGATATA GACATAGTAT CCTCTATCCA TATTAGAGAG AGGATACTAT
155881 ATATATCTAT AGCATATAGA GATGCTGTCT CAAAAAATT TAAACATCAG CCAGATGTGG
155941 TGGCCCATGC CTGTAGTCCC AGCTACTGGG GAGGCTGAAA TGAGAGGATT GCCATTGATC
156001 CTCTCATTGG TTGAGCCATA ATCGCACTAC TGCACCACTC AGCCTGGGAG ACAGAGGGAG
156061 ACCTGAGGTG GAAGGATATA GATATAGATA TATAAATAAA TATGTATAGA GAGAATATAA
156121 TATATGTGTG TATGTGTATA TATATATATT ATGAAGACAC TGGGAGAGAA TACTATATAT
156181 ATATGTGTGT GTGTATATAT ATATTATGAA GACACTGGTG GGATGGTTTC ATTACCAATT
156241 GGACCAAGAG TCCAGGTATG GAGCCAACAT GCAATGTTGT TGTGACTGA GCTGGCAGAG
156301 CACTGGTCAT AGTTACGGGA AAAGAAGGTC TCCAATGAGA CATACTTAAC AAAATATATG
156361 AACTTGCCAT ATACGTGGAG AGTTCTGGTG TGTATATAGC CTTCTCTCAC CAACCTAGCA
156421 ATTGTCTTCA TCATCATTAT AATGCTATCA GAGCAAAGAT GACAGCTAAA TTTTTTTGTC
156481 CCTTCTCTCT TCTTCTCTCT CCTTCCCCTC CCCACCTCT TTCTCTTCCT CCTCCTCCTT
156541 CATCTCTCTT CTTTTTTTTT TTGAGATGGA GTCTTACTCT GTCGCTCAAG CTGGAGTGCA
156601 GTGGCACAAT CTCAGCTCAC TGCAACCTCT GCCTTCTGGG TTCAAGCAAT TCTGCCTAAG
156661 CCTCCAGAGT AGCTAGGACT GCAAGTGCAC ACCACCACAC CTGGCTAATT TTTGTATTTT
156721 TAGTAGAGAT AGGGTTTCAC AATGCTGGCC AGGCTGGTCT CAAACTCCTG CCCTCAAGTG
156781 ATCCTCCTGC CTCGGCCTCC CAATGTGCTG GGATTACAGG CGTAAGCCAC TGTACCCGGC
156841 CTCCTCCTTT AATAGACAGG GTCTAGCTCT GTTGCCCAGG CTGGGTACAG TGGCGTGATC
156901 ATAGCTTACT GCAGCCTCGA ACTCTGGGC TCAGGAGATC CTCCTGCCCT AGTCTCCCCA
156961 GTAGCTGGAA CTACAGGCAT AGCACACGGG GCTAATAAAA TTAATTAGGT GATAAAATTC
157021 ACTGCCCCT GATGACTAAG CTCTTTGGAC ATAAAAGACA CAGACCTTGA AGGAAAATGT
157081 GTCTACTTAA TTTTGAAACC CTATTTATCA AAAAAACAGGA TGAAAATGCA AAATGCCATC
157141 CACATGCCAG AAGATATCAG CTATATAAAG TTCCCATAAA TCAATAAGGA AAAGAACCCA
157201 ATAAAAATTA TTAAACCACA GTAAATCATG GGTAATCAC AGAGGCCTGA AGGGCTAATG
157261 GACATACAAA AAGAATCTCA ATCTCACTAG TGAAATCAGA AAAGCACAAA TTAAGTACAC
157321 AATTAGGTAC CATTTTAAAT CTGTAAGACT GTCAAAATCA TAAATTATAT AAGTAAAGAC
157381 TCAGGGAGTT TTGGAGGAGT GAGAGCTCTT ATATTGCTTG TGGGGTAGAA TTGGAACAAT
157441 TTCAAGATCT GTAGTATCTG GTAAAATTAT GATATGCATC CCTCACACCA GCATGTCATC
157501 CCAAGGTATC TCCCTGGAGG GAACATTTAC GGGACACAAG GAAGCATGGA TAAGAATGTT
157561 CACAGTAGTA TTGTCTGCAA CAGCAACAAC AACAAAAAAA CCAACTACA CACAACCTCA
157621 ATGCCCAGTC CACAAGGCAA TGGATTAAAT AAACCTCAGG CCGGAGATGG TGGTTCATGC
157681 CTGTAATCCC AACACTTTAG AAGGCCGAGG CGAGAGGACT GCTTGAGCCC AGGAGTTCAA
157741 GACCAGCCTG AACAAAATAA AGAGATAGTG TTTCTACAAA AAATTTTAA AAAATTAGCC
157801 AGACGTGGCA GTGCTTGCCCT GTGGTCCCAG CTACTGGGGA AGCTGACGTG GGAGGATTGC
157861 TTAAGCCCAG GAATTTAAGG CTGCAGGGAG CCATGATGGG GCCATTGCAC TCCAGCCTGG
157921 GTGACAGAGT GAGACCCTGT CTAAAAGAGA TAAGTAAATA ACAACTTGC ATTTTCTGCC
157981 ACATTGCAAA ATGGTGAGAG AGTGGTTTCT AGACTCTAGA CTCTTTCTAT GACTACCTTC
158041 TAGTTATGAG ATCCTACAAC ACTCACCTAA CCTCTCTGTG TCATATTTCC TCCTCTATAA
158101 AGCAAAAATG CCCCATATAG AGAGGACTGT GATATAAAAC AAGAACCAAG AAAAGTAAAG
158161 CTTTCTAAT CTGTACAGA CTAAAGATG CTCAGTATAT GTGAGTCATT ATTCCTGGTG
158221 CTGGTAGGAG TGTATGTTAC AACTTTGAGT CAAGTAATAT GGTACCATAT ATTAAGATTA
158281 ACAACAACCT CGGCAATCCC AGTTTGGGGT ATGTTCCCAA AAGAAATGAA AGCACCAGGA
158341 TATAAGGATG CATGGACTAG AAAGTTATTG TAGCAACATT GTAATAACTA AGTTCTAAAA
158401 ACAGCCTGAA GCTCCATCAG TAGGGATATG GTTACATATA TTTATTATAT TCTTATGGAA
158461 TATTAGACAT AAAAAGTAAC GAGTAACATA GAAGAGACAG TGTATATATG TTACGTTTGT
158521 ACAAACCTAG GGAAAGATAT AGATCACCTT ACCTAGAGAA GTCAGATTGG AGACGGGTGG
158581 GAAAAACCTT GAACCTTCTC CTTATATCCT TTATATTGTT TGACTGATTA AAATGTATTT

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158641 GTTGCATCTG CTTGAAGGCA ATGTAAAATA AAATAAACAT ACATTTAAAA ATAAAAATAA  
158701 AATTTATTCC TATCACTTTT GTAATAAAGC TGGGCACAGT GACTAACACT TGTAATCCTA  
158761 GCACTTTGGG AGGCAGAGAC AGGCAGATCA CCTGAGGTCA GGGGTTTGTAG ACCAGCCTGG  
158821 CCAACATTGT GAAACCCCAT CTCTACTAAA AATACAAAAA TCAGCCAGGC ATAGTGGTGC  
158881 GTACCTGTAA TCCCACGCTA CCCGGGAGGC TGAGGCGCTG GAACCCAGGA GGCAGAGGCT  
158941 GCAGTGAGCT GAGATTGCGG CACTGCAAGC CAGCCTGGGT AACAGCGAGA CTCCATCTCA  
159001 AAAAAAATT TGAAAAAGA AAAATTTTAA TAAACAGTGT TTAAGAGGGG AGAAATATTT  
159061 AGTTAAAAAGA TAAGCCCAT TAAGAAATAG TTTCACCTGA CCCGGAAGGC GGAGCTTGCA  
159121 GTGAGCCGAG ATCGCACCAC TGCACCTCAG CCTGGGCGAC AGAGCGAGAC TCTGTCTCAA  
159181 AAAAAAAAAA AAAGAAAGAA AGAAAGAAAG AAATAGTTTC ACTTGAACCA TATTATGATT  
159241 CCTTCTGTAA AAGATGAGAG TAGGCAAATT GACTCAGTGA AATCCCAGCA AAACCTACAC  
159301 AAAGTCTTGT TCTTCCTTCC TGTCATCTGT ATAGGATGAA ATACAGAGTG CTTTTGGGTT  
159361 TTGTTGTGTG TTGTTGTGTG GGAACACAGG TCTATAATTC CTTTTCTGAA  
159421 ATCCCTGGAA CAAAATGGGC TTTGCCATTC AAATTAGTTT AGAAGTTATA AAGGCAAAAA  
159481 AATGCATATA CTCTAAAGTT CAACCCCATC ATGGCCTAAG GCAGAGCCCT GTAATCAAAT  
159541 TCATCAATAT ATCTGCAGCA AAACATTTAT TCAAATTAAG TGGGATAAAT AAAGACTTTT  
159601 AAATAGTCTC ATCTCAGTGC CGTTCAGGGT TGGCCACTGT GGAAGACAGA CTCAAGGGTG  
159661 GCCTTCTATG ATTCTGCCT CTTGGTGTTC ACACCTCGT AAAATTCCTT GTCTTTGAGT  
159721 GTGAGCAGGG CTTATGAATT GCTTCTGACC AATAGGATAT GGCAAAGATG ATGGGATATA  
159781 ATTTCTATGA TTACGTTTCA TTATGTAAGA CTCCATCTTG CTGGCAGATT TTCTCTAAAG  
159841 AGTCTGTCTC CTGAGCTCTC TCTGAAGAAA TAACTGGCCA TGTTAGAAGC CCATGTGCAA  
159901 AGAGCTGAGG GGTGGCCTGT AGAAGCTGTG GGCAACCTCC AGCCAACAGC CAGAAATAAC  
159961 CAGGGCCAAA GTCCTGCAAC CATCAGGAAA GAAATCTGCT CTGCTACCTC AGTGAGCTTG  
160021 GAAGTGGATT CTTCCCTTAGC CTAGCCTCCA GATAAGAACA CAGCCTGACC AACACCTTAA  
160081 CTGCAGCCTT ATCAGACCCT AAGCAGCAGG CCCAACTAAG CTGTGCCCAAG ATTCCTGAAC  
160141 CACAAAAATT GAGATAACAT ATCAGTGTG TATTAAGGTT CTAAATTATG GTAATTTGTT  
160201 TGTACTAATA GATAACTAAT ATAACCACCA AATCATTTC GGTAGGGTT TTTTGTGATT TGTA  
160261 GCCAAATGAA TCATGATAAA ACTTTCCATT TTCAGGGGTT TTTTGTGATT TGTA  
160321 GATACAAATT TGTGAAAGTA TAGTCAGCAC TGATTTAAAA AATCAAGGGA GCAGGAACT  
160381 CAGTAAATGG TTCTAACATT TTGGAATCTG TAAATGGTT GTAACATTTG TCATCTGTGT  
160441 TATCTAAGTC AAGTTCTTAA AATATGTGAA TGATAGGTTA TCATACTCAC CTACTTTTCT  
160501 TGCATTGCTC TAAGAGTTGG CTGAGCTATT GATAATAAAC ACTATGATCA GATCTAATAC  
160561 CATGATGTGC TATTATGATC ATGTGTGAGT CACAGGGCTA AGCACTTTGT ACATGTTGAT  
160621 GCATTTAATT TTGATGATAA CTCAATGAAG TAGGAGCTGT TAATATTTTC ATTTTTCAGA  
160681 GGGGGAAACC AAGTCACTTG GAGTAACATG GCTAATAAGT GAAAGAATAA GAATTTGAAA  
160741 GGTTTGACCA GATAACCAGA ATGCAATGCT CATCACATTC ACTGAGCAGT GAATCATACT  
160801 AACTAGAGAA AGTATGAAAG CTCTACTGAA ATTAACATAA CAACCTCTCT GGCTGTGAGC  
160861 CTGCCAAGGG ACAGGTGGTA AACTTGGTTA CTGCATAAGG CCCCTTCTAT CCACAGTATT  
160921 CAGGAATTCT TTAGTGAACA TACCTTGATG ACTCCTTAAC ATTTTCTTCA CATCGAAGTA  
160981 AAGCTTGGA ACATTGCACA TAGTATGAAG TTCCAAGGAG ACAGCCTCTG ATGTTTCCAG  
161041 CTTACAGGCC CAACTCCTAG AATAAGCAGA GGCGAGAGAT TTCTTCAGAG GTGCATTCCA  
161101 TTCATTTCTA TATACGCACA CCCCTCCCCT CCTGCATTCA AACAGGACTT ACCTGCTCAA  
161161 AGTGTCATTC ACATTCTATA AAGAAACAAA AAGAAAAGGT GAGCATGGGA ACATCGGTAT  
161221 TTCATGGGGC TTGTCATGCA GGGCTATTCT TCTTTGCTTT ACCCGAAGAA GTAAAGAGAG  
161281 TTACCCTAGT CTTAGTCTTA GATATTGATG GATACTCAAA CAAAGTAATT CCCACCAGTC  
161341 TTAGGTATTG ATGGATACCC AGATGGAATA ATTCCTACCA GCTTCTGGGA GATTACAGCAT  
161401 GGCAGGATGT TTATCAACAT TTGCATCTAT TCTCATCCTT GCTGAAGTCT GAGGGCCAGG  
161461 AGCTTTGTCC ATGCTCCCTC TGTAAGGACT AGCTTTTGGT GATCGGATTT CCTTCACAGT  
161521 GAGCCAGAT TAGAGAACAC TTATCATAAA GGTCCTTAGT GGTGAATCTG TGCACAGCCC  
161581 TGAGACTGGG CCACTGCCAC TAAGATGGTG GTAGCAGGTA TCACACAGTG GTAAAGCAAT  
161641 CATGCTATAC ACTCAGCCTT ACAGTATAGT CACCAATCCT GTTAGTTAGA ACCAGAATTA  
161701 ATGGCTCCAG ATGTTTATCT TCCTACAGAT AAAGCTGTAG ATTGTACCAT AACAGCTCTG  
161761 GAGCAAGGGT TCTACAAGCA AATCAGGGAA AAGGTTATCA CTCATTTTGG CTGCCCCACT  
161821 TCATCACCCA TCAGTCACCT AGTGGAGTAT TTCAGGAGAG AGTCAACAAC CAGGGTCTCT

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161881 TGCACATGGG CCAAGGAGGC AAACAGTGGT AAATGTTATC CCGTGGTTTC ATTTGGCCAA  
161941 GCTGTGTTCC CTCAGAAGTT TATTTTCTA ATTGACATAA AGGTACCCTA TAAATTAGTG  
162001 AAGGCCAGCC TGATGGCACT GATGTACATC TAAAAGAAAC ATTACTTTAT CTTCCCATGC  
162061 TTCTTTACCA TTCTCCTTTA ATAGCACTAT AACATACCTT TTTTCCCTAC TCCAAGTACA  
162121 CAGCCTCACC TGCAGCAATT TCTGGGCTGA GCCCTGACAT TTTTCCTCCA GTTCCAGGAT  
162181 GTGGCTCTTG AGTTCATTGC TCTTCAGCCC CAGACCAGCC TCATAGTCCC TCAGTCTACT  
162241 CAGAGTCTGT TGTTCCTCTT TCTCCAGCCT CCAGAGATAA GACTTCTCTT CCTCATGTAG  
162301 GAAACACTGG AGATTCTTAA AGTCAGACCG GATTTTTTGT CTCTGAATCT GTACCTTCTC  
162361 CTGGAGTCAA GAAAGTATGG TCAAAAGGTG GAAGTAAACC AAATGTCCAT CTATGGATGA  
162421 ATGGATAAAC AAGAATGAAA GTCTGACACA CGCTACTACA TGACAAGCCT TGAAGACATT  
162481 CAAGCAAAAT AAGCCAGAAA CAAAAGGGCA AATATTGTAA GACTTTGCTT ATACAAGGCA  
162541 TCTGGAGTAG TTAAGTTCAT AGAGACAGAA AGTAAAATAG TGGTTACAAG GTGTTGGCAA  
162601 GACCAGAAAA TGGACAGTTA TTGTTTAATG GGTAGTGAGT TTCAGTTTAG AAGATGAAAG  
162661 ATGAAACTGA GTTGCAGTTT GGAGATGGGA ATGGTGATGG TTGCACAACA ATGTAACAAT  
162721 GTAAAAGCAC TTAATTCTAC TGAACATAT ACTTAAAAAGT GGTTAAATGC TTAAGTGTTA  
162781 TATATATTTT CACACAAAACA CACACACACA CACAATCAGC CACTGGGACA TTATTTTCTC  
162841 ATGAGTCACT GAAGCTGGAA GAATGTCCCC AGTTTCCTGC TGCAGAGTCA TGTGTGGGAG  
162901 GCAGGCACTC AGATGTGGAA GAGGTGCTT CAGATTCCTT ATAGTCACCC AATTAATTTT  
162961 CTTGTTCTTC AGCCAAGACA CAGGAGAAAG CTGGGTTAGG AGTGCTAGAT AATTTAATTG  
163021 TGAAACTAGG GCCAAGTTCA AACACTTTAT CAGTTACAAG GATAAAAAGA GGTTTTTACT  
163081 TATGATTTAA GAAGTTAGAT TTCTGAGTTG GAGCGATTTT CTTGAAGTAA AAGCTTATAA  
163141 TGAACATCAC CCAGACTGGA TTTTAAGACA ACCAGGCTGG TAAGAGGGTC CATAATTCTT  
163201 GGCAGGGGGA GCTTTGAGTG TGACAGGCAT TTATTATGGT TAACTGAGAA ATACTGTTCT  
163261 ACTACCCTAG GGTCACTCTA AGCATTCCTA TGTGTAAGAC TGACAGAAAT CAAGTGAAAC  
163321 TCTCATCTGA GGAGATGTAA AGTTGCAATT TCCATTAGTG CTGTCTAAAT TAATGCAGTG  
163381 GGAGTGTTGA TTCAGGGCAA TTTGAATCTA TGTTCCTTGA TTGCAGTCTT CAAACTTGGC  
163441 CCAAAATAAC TCTCTACTTA TCTTAAAAAA ATAAAAATTA AAAAATAAAA ATAAATTCAT  
163501 ACAGTGTTTT GATGACTATG ATATAGAAGA AGGGTCTTTG ACTTAGGATG AGGTGGAATT  
163561 TTTGTGTAGG AGACAGGTGC AGCTTTAACT CTGTATAGA CGGGTTTTCA TAGATGTTAG  
163621 TTACAATCAA GGTCTTCCCC ATTGCCCCAAG ATCCTAGAAA TGGGGGAAGT AAGAGTGTAC  
163681 TCAGGAGCTC AAGAGCAACA TCCACAAAACA AAGATCAGGG TAGAGGTTAG AGAGGACTCC  
163741 TGAAAGAGAG AAAATTGGTA ATCAGCTTGT GGGATTTTAC TGCAAGCTAG TGAATTATAT  
163801 AAATATAAAG ATTGGTGCAA AAGTAATTGT GGTTTTTGCC TTTACTTTAA TGGCAAAGAC  
163861 CGCAATTACT TTTGCACAAA CCTAAATATT TCCATAAAAG AATGTGGCTC TGATAATGTG  
163921 GAGGTTAGTC AGCCACGAA ATAATCTGAA AGTTTGTAGT TGCAAGTGTG TAGGTTGTTG  
163981 CATTACTTGT GATGTACTTA TAAATCAAGT ATAGGCCGGG TGCAGTGGCT CACGCCTGTA  
164041 ATCCCAGCAC TTTGGGAGGC TGAGGTGGGT GAATCACGAG GTCAGGAGAT CAAGACCATC  
164101 CTGGCCAACA TGGTGAAACC CCGTCTCTAC TAAAATACAA AAAATTAGCC AGGCATGGTA  
164161 GCACATGCCT GTAATCCCAG CTAATCAAGA GGCTGAGGCA GGGGAATTGC TTGAACCCGG  
164221 GAGGTGGACA TTGCAGTGAG CTGAGATCGC ACCACTACAC TCCAGCAAGA CTCCATCTCA  
164281 AAAAAAGTAA ATAATTTAAA AATAAATAAA TAAATAAAGT ATATTTCTTT CATCAGCTTC  
164341 ATGAGCTAGA GTAGTATGAA TTTCAATCTG GAGTGATCCT GTTTTCTAAG TGTTCACAAA  
164401 GCTTGGTTTC TGTACCTGTA AAGTTGAGAG CCAGATGCTC CACTGTGGTA AAAGTGCCAG  
164461 GGTAAATGAGT TGAGGCCTGC AAACCAGGTT TATTTTGACG TATTTAAAGT TTGAGACCCA  
164521 CTCGATGCTT TTTCTAGGTA AATAGTCATA CTAATCTGCT TTCTTCTGAC TGAAGTATCA  
164581 GGAATCCCAG CCAACTACAG TTTAAAGATG GAAAGATTGG TGCTAAATAC TCATGGATGT  
164641 AAACCTGGAA CCAGGGGCAT AAGTACAAAT AATGGTTTCT TCCTTGGGTT TCATTTTCTC  
164701 AATCTGGTTT AGTGAGAATA AATCCTCATT GTGCTTTTCC TCAATCATCC CCTATGCCTA  
164761 AGCTCTAGAA TGGAAAATAG CTTGAGATCA ATGAAGTCAG ATTCTTACTT TCCATTTAGT  
164821 TATTCGCATT GCTGTGGACA GCTTCTGCTC CGTACATCTG TCTTCAAGTT GCTTCAGTTT  
164881 TGTCACAGCT TTCTGGAGCT TTTCTGGAAG GAAAAATTTG ATAAGTGAAG CCTATTCAAT  
164941 TTGACTCTTC ATTAGGGACC TAGGGGGAAT CCCAATCTTC TAAGATATAT TTGAATAATA  
165001 GTGAATATTT ATAGAGTCCCT CATGTGTTTT TGCTAGAGAG CATGCTAAAG GCTATATGTG  
165061 CAGGAACATA CTGATCCCCT TGGCAACCCCT GAATAGTTGG TAGGATTTTA AACTTCATTT

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165121 CTGTGCTGTA GAAAATGAGA CTAAGAAAGG GGTAATAATA CTTGCCCAAA GGGCTATGAC
165181 TGCCAGGTGG TGGAGCAACA ATTGCAATCT CATCTGCTGA CCCAGAGCCT GAGCTATGTC
165241 CACCACTAGA GTCCTGCCAG GAAAAAGTTG GATATAGAAC AAGGTAATCA TCATCTAAAA
165301 GATTTTGTA AACAACATGC TGAACCAAGC AAAACCAATA CCAGTGTGTTG GCACACATGA
165361 AATTTTGTGT CTTATGAGTC AGGAAAAATC AGGATGCCAG CTGGTTATTA GAAACAGTTC
165421 ATGGAAGAGG GGAATTCTGG TATCTTTTGA ACAATGGTAT CATGAATCCA ATTTAAAAATG
165481 ATTTAGTATT CATGTCAAGC TTTTAGCTTA TTCTTCAAAA CAGTTTCTCA TATTTCTATT
165541 GAAAGTGATT TGAAGCTGAC CCAAATTGCT AATTGTAGTC AATGCTGAAA GAATTGTCTC
165601 CTGTCTCTCG TAAACCCAAC AAGTATACTC ATTCATTCTC GAGTGTCTCT AGGAAAAGGT
165661 TCTATGTAAC TGTTTTAGCA AAAGATGACA TTGTCTTAC TATATGCCAA GTGCTATTCT
165721 ATGCATTCTA TATTTTAATG TCCTCAAAGC TTATAACCAC CTCTGTGTA TGTGTTTTAG
165781 GGAGGGAGGA CACTGCTATT ATCCCCATTT ACAGATGGAG AAACCAAGGT GTGAAGACAT
165841 TAAGTAACGT GCCCAAATTT GCCCATCTAG TAAGTGACAA AACTCAATTT CAACATAAGC
165901 TGGTTCCTTT TCTTACTACT TGGTGGAAAA GTAATTCAAA TGGGAATATG ATCATCGCAG
165961 TTATTAGCTG CTCCATGGAG TTTAAGGAAG AGCTGCCATG AGCTGAGTGG TGGTCATGAT
166021 TGACATGTCC TTAGAAGGAC TTAGAGCCTT CATAAAGAC CACCTCTGCC TCATGGAGGA
166081 CAGAATAAGG AGCCTGACAC TGGAGACAAC ATTTTCCTCA AATTTAGGCA GGACAGAGAA
166141 GGAAAAAGGA CATCAGGACT ATGCCCATTC CTCCATGCTG CCAACAGCAA AGTCCCACCT
166201 TCCTTAATAT GCTTTCTGGC AAGAAATCTG GATGGTACAC AAAACCTCTC CCTCTGCTTC
166261 ACCTCCACAT ACCAAGCATT TCCAAATCTT TGACTCTTCT TCCTGAATCG TCTTTAAAT
166321 CTGCCCTCTC CTCCCTTTCT TATACGGATA GTTTGAATTT TACTCCTTGA TATTCCTTTT
166381 ATCATAGACA TGCCACAGTA GCTGGGCACA GTGGTTCATG CCTCTAATCC CAGCATTTTG
166441 GGAGGCTGAG ATGGGAGGGA GACCAGGGGT TTGAGGCCAG TATAAGCAAG AAAGGCAGAC
166501 CATGTCTCTA CAAAAAATAA AAAAATTATC CAGGTATGGT GGGGCATCCC TGTAGTCCTA
166561 GCTACTTGGG AGGCTGAGGT GGGAGGATTG CTTGAGCCCC AGAAGGTTGA GGCTGCAGTG
166621 AGCCGAGATT GCACCATTGT ACTCCAACCT GGGATACAGA GCAAGACCTT ACCTCAGGAA
166681 AAAAAAAAAA AAAAAAAAAA AAAAGTAGAG GTACCAGAGT GATATTTTCA ATGTCACTGA
166741 CCCTTCATTC CCCAAATGAA AATCCCCCAA TAGGTGTTCA ATTTTACGT GTCCTTCAGG
166801 AGTTACTTCT AAGATGAACC ACTCTCTACC CTAAATGTCC CTCCCCACCA CAAAACCAG
166861 GGACCTCCAG GCAGACATTT TTGATGGTTT GTTTTCTTTA CTAGACTGTA GATACCTAAA
166921 AGGTGATGGG TCTTTCTTCC CTGTTTTCAG GCCCTACTGC ATGGCTTTAC ATATTGTGGT
166981 TTTTCAAATG ATATTCTATG TGTGAAACAA GAAAAAATGC GGGTGTTTGG TTTGAGAACA
167041 ACCTGTCTTA AAGCAAAAAG AAATTCATCA TAACACAAAT GGATAGAGAT AAGAGTCCAA
167101 CCATCCCATT GAAGGTCAGG ATGGACAGTC TAGATAATTG AGCAAGAAAT CATCATAAAC
167161 TATTTTTCAG AAGAATGACA TGATGAAAGC TGTATTTCCA AGTCATAATG TTAGGTTTCA
167221 AGTTAAATCA TCTCAGCTCC TGGGGAGCAG GATAAGACTT GGTACTTACC AAAGCTCCCC
167281 GGCCACACA CTCACCTTGT AGCCCTGGCA TACGTCTTCA ACAAGAGCTG TGGTGTGCCC
167341 TTTGTGCTGT GGTGCCCCTG CACAGCGCCA GCAGATGAGC TGCCCCCTCGT CTTTCGAGAA
167401 CAGGTGGAAC TGCTCTCCGT GTTCTCACA TGACATTTCT TGATCCGTCT CTTTGAGGGC
167461 TTCAATGAGG CTTCCCAGCT GCTTGTGTTG TCGGAGGCTA TCCATATGAA ATGGAGCCCC
167521 AACTGGGGA CAGCAGAATG TCCTCTGCC TCGTGTCTT TGGCTTGGGT TTTTAAAGAA
167581 GTCTGTTATA CACAAGTGGC AGTAGCTGTG TCCACAGTTG ATGCTTACTG GGTTCGTCAT
167641 CAGGCTCAGG CAGATGGAGC AGGTGGCTTC CTCCATCATC TTCTTGCTGC TGGTGGTTGA
167701 GGCCATAGCT TTTATTGAAA AGCTCCAATA TTGGCTCTAG AGATGGAGAT GAAGCAGCCA
167761 GAATTTTCCA CCGTGATGAA AATACACCTC ACCTGCACCT CTATGTGATG AGCTGGCTGC
167821 AACTGACTTC CATAGGTCTT GAAGGTTTTC CTTCCAACCC CTATTATCTC ATTTTGTATT
167881 GAAGAAAAGA GGACCTAAAA GGAAGAAGTT GAGGCTGAGG TTGTTTGGGC CACGTTTGAG
167941 AACTGCAACC CAAGTGCAGA GTTTCAAGTT GCCCTCATTA GCAAGCAGTT ACAAGTGGTT
168001 GTTTAGAGGA AAAAAAGCAG TTTTAAAGCA GTTTTAAAGT TGTTTGCCAA GAATTTACAT
168061 TAAATAGCA TAAGCTTTTG ACTGGCTATA CATTGTTCTT TGTATTACAA ATCTCGGGAA
168121 TATGTAGGTA ATAGATGAGG CAGCCAGTCA GGAACAAAAT GCTTTTAAAC ATGGGGTCTT
168181 AACTGAAGAC CTATACTCCT GCCTCACTTG TCCTGATAAA TTTTGACATC CTCACATAGC
168241 TCAGACTGCT CTAAATTATT TCATTATTTT TCTTTTCTCA GTCTTCTAAC TTTTTTTTTT
168301 TTTTAAATG AGACGGAGTC TCACTCTGTC ACCCAGGCTG GAGTGCAGTG ACGCTATCTC

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168361 GGCTCACTGC ACCTCCGCCT CCCGGGTTCA AGCGATTCTC CTGCCCTCAGC CTCCCCGAGTA
168421 GTAGCTGGGT CTACAGGTGT GCACCACTAC GCCCAGCTAA TTTTGTATT TTTAGTAGAG
168481 ATGGGGTTTC ACCATGTTGG TTGGCTCGAT CTCTTGACCT TGTGATCCAC CCGCCTCAGC
168541 CTCCCAAAGT GCCAGGATTA CAGGCATGAG CCACCGTGCC CAGCCTCTTT TTCTTTTCTT
168601 ATAAGACAAG TTCTCGCTCT CTGCCCAGG CTGTAGTGGA GGGCAGTGGC ATGACCACAG
168661 CTCACCTGAG CCTCGACCTC CTGGGTTTAA GCAATCCTCC TGCCTCACCC TGGCAGAGTG
168721 GCTGGGACTA CAGGTATGTG CCACCATGTC CAGCTAAAGT CTTCTCTCCA GAAAGAAGAA
168781 ATGCATTGGA ATTTAGAGGA TACACAAACA TCTAGCTGTA TAGCTAATAC AGTAGCCACT
168841 ATCATGAGTA GGAATTTAAA TTTAACTTAA TAAAAATTAA AATGAAAAA TTCAGTTTTT
168901 CTGTTCCAGT TGCCACATTT TGATTGCTTA ATAGTTGCAT GTGACTAGTG GCTACATAAC
168961 AGCCTCAATA TACAACATTC TGTATCACA GAAAGTTACC TTGGACCAAG TGCTGGGAGA
169021 AGCAATGCAG GCTTCCTCAC AAAAGCTGTA AAAGAGAGAA CTCAGGGAGT GTGAAACTCT
169081 TTCTTATCTT AGTTAACTTC AAGAATAATT GTTACCAGGC CAGCACGGTG GCTCACGCCCT
169141 GTAATCCTAG CACTTTGGGA AGCCGAGGCG GGCAGATCAC CTGAGGTCAG GAGTTTGAGA
169201 CCAGCCTGAC CAACATGGCA AAACCTCATC TCTACTAAAA ATACAAAAAG TTAGCTAGAT
169261 GTGGTGGTGC ACACCTGTAA TCCCAGCTGC TCAGGAGGCT GAGGAAGGAG AATGACTTGA
169321 GCTCCGGAGG GGGAGGTTGC AGTGAGCCCA GATTACACCA CTGCACTCCA GCCTGGGTGA
169381 AAGAGCGAGA ATCTGTCTTA AAAAAAAAAA AAAGAATAAT TGGTACCAGA ATTACTCTTT
169441 GTAATTAGTA GTAACACTTA TGCAATTGGG TGATCTGTGA CAGATTCCAT TGAAGGAGTA
169501 TGGGGAGCTT CACCCCAATA TATGACTCCC TGGTATAATG AGTATTTTGA ATTAAAGGCC
169561 CTTAGAGATC AGCAGATGCT GGAAGAGACT TTTCCCTAT CTACATAAAG ACCAGTCACA
169621 CTAGACAAGA AGAACAATTG TTTTTCCTTC CAACCCCTAT TATCTCATTT TGTACTGAAG
169681 AAAAGAGGAC TAAGAATGTA ACCAGACCTA ATCAGACACT TTCACAAAAT AATGTCTGTC
169741 TCTCAGGCTC ATTCATTTTC CAAAGAGAAC CATTTACAAG TTAAACTCTG TTCCTCCATT
169801 CATTATCCTT CCCAAATATT CATTTATTCT CCCTAGTAAT CATTTACTGC CCCTCAAAGA
169861 ATTACCTATA TTCTCCTGAT ATCACCTTTC CCCTCTGAAA TAAATATGTA TACATGTATA
169921 AACGTTATAC ATACATATTT ATACAGTATA CATACATATT TATACATACA TACATATGCA
169981 TACATATTTA TATTTATGTA TTTATACATA AGTATTTATA AATAAGGCTA TATAAGTATC
170041 TACCCCATTT GGCAGAGGGG GTAATCACTC TGTGATTCTA GCCCATGTAC TTGTTAATAA
170101 ATTTGTATGC CTTTCTCCA ATTAGCCTGC CTTTGTGAG TCGATTTTTC AGTGAACCTC
170161 AGAAGGCAAA GGGGAAGTGT TCCCTTGGCT CCTACACCAT CATGACAATA AAATTTGACT
170221 CCACCTCGAC CCCCCCATC CCCCACAAAG AACACAACC AACACTGGTT AATAAGGTCTG
170281 GTTGTTTTTT GTTGTGTTT TTGTTGTTGT TGTTTTGTCT TTCAGGAGCA GAGGTATAAT
170341 AGGCAAAAGA AAGAGAAAGG AGAATAGTGA ATACCTCTTC TGCAGAGAGG GGTGCCTAAG
170401 TGGGACTTCC CTGGCTAATA ACGTCTTGCT AGAGACCCAA CCAGGAGGAT AATGGAAGCA
170461 ATCAAGGCAA CCAGAACAAC CAGAAGAACC GGTTTATCCT TTTTGTGCCC TCTCCCTAAA
170521 CTGAGGGAAT AAGAATTGGA AAGAAGGCTG CAGAGCAGAG GGTTTGCTCC TGAGGAGCAG
170581 TTATTTCTAT GGGATCAGAG CTCCTGCAGA ACTGGGGAGT TTACTTTTAC TATCTCTTCT
170641 CCAGGACAGG ACCTATCTCA AGAGACATGT TCAGAGTGAT TGCAACATAA AGAGTTTGCA
170701 GACCCAAGGA GGTAGGGAAG GCAGAAAGAA GATGGGGGAG GCCAGGGATA GGCAACAGAG
170761 GAGTGACCAG GAGCGAAAAA GCCTGCCTCT TCTGAGAAC TAGCTGGGCT CTCCCTGTAC
170821 CCCCATCCC TCCCCCCC GCCTCCCCAC ACCCCTACTC CTGGGAGCTC CTCTAGGACA
170881 GGGGAGAGT CAGGAGGAAG TTTGAAGAGT GCCTAGAATA AAAACAGTA ATTTAACTAC
170941 AATTACCGGG TAGGCTGTTT TCCTCTCACA ATTTGATCAG TCTCTTGAAG CCACACAGAA
171001 TTTCTTCTGA AGACGTGTAT TCCTTGGCAG GCTATTTCTT CCAGTGATAC ACCAGGCCCC
171061 TCTCTGCTGG GGTCACTGCT CTCTGGGGA GATGGGGCTC CCCTCCTTCC AAGGCTCCAG
171121 GGTTCCTGTC CTGGGCCCCA CTCATCTAAG TTCTGAATCT TCTGAGATTT GGTGTAAAGT
171181 CTGGTGAAAG AAAGAGCAGG AAAGAGGTGA GAGCTGTAAA ACAAAGAAAG TCCTGACCAT
171241 TTTCAGAGTT GGAGGGGCCC TGCTGTCACG AAATATATTC CCCACCCAC TTGCCATCAG
171301 TACACACTCA CATATCCACT GAGAAAACCT TAGCCTGGAC CTTTTCCGTA ACCTTCACTG
171361 CTCAGACACT TACATATTCG CTGCTAGTCC CCTCTGTTGC TGCCACTTCC TGGGTCAGGA
171421 AGTTAACTCA GACCGGATTA AACTGAGAAG TGAAACTACT GTGGGAGGCG GGGCTCATAA
171481 GATTTAGGAG AAAACTAGTG ACGTTGTTCA TATCATTTGC ACTCCGCCTC TCCGGTAAAG
171541 GAGGGGGAAG CGTAGGAAGA AAATATCTTT CTTTACAGC AATAAAAAGA AGGAACCAAT

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171601 TAATAACCCCT GTAAACTATC ATGTGACCCC AACACAGAGT ATCTAAAAAC AGGAAGCCTG  
171661 CAGAGGTTCA GTTCACAGAC TCTGATTTGA GATCTTTCTA CTTTTGCCAC CAACTCCCTT  
171721 GGGAGTCCTT AAGCCTTCCT AGCTGATGTT ACTTCTTTTG CTATTTATGG GTTGCTTG  
171781 GTTCTATAAC TGCTCTGAAG GGTGTGGTGG AAAAAGGGGT GGTAACAGCA GTAGGACTCA  
171841 TTGGCATCAC AAAATTCATC TGAGTCAGCT TTCTATTCTT CTCTGTCCCG TTCTGTGTCT  
171901 TGTTTTTCTC CTTGCTGTCC TTCTGCAGGA CTCAGATCTT CTTCAATAGC GAGGGTCAGC  
171961 CAGGATAGAA AATGGGAGTC ACTAGTGGCC CAGCAGTGAG TGCCCCCAGC TTAGAGCTGT  
172021 GTGGGATCCC TGGGACCATC ACTCTGCTTT GTGCTTTGTG GAGAAAAGGC TGTGGGGTCC  
172081 AGGGTCAAGT CCTTAATGAC TTAGCTCCAG CTTCTCCACT TCAAAATGAA AGGAAAAGTA  
172141 CTATCACCAC CCGTTAGAAT TATTATTTCA TGGGGAAAAA AGATGGATTA CTATCTCACA  
172201 ATAAGAGCTT GTCACATTTA TAAGTCTCAG GTGTAAGAGG CATTTATGAT AACACATAA  
172261 TAAATGCTGG CTTAAGTAGA TGCAGTGGTC CAAGGGAACC AGTAAGGGGA GCTCAGGACA  
172321 CAGGTGGGAG GAGAAATTAA ACTTGAATTC TGGGAGCCAC TGGCCTGTCT GGGCCCTGG  
172381 CCTGCCTGCT GACCCTGATA GCCAATGGAA CATGGAGTTT GGCCAGCTG CAATCCCCT  
172441 GGTCCAATA CTCAAAATAA AGGCAAGATT GGGAAACACG TTCTTTCTT CCTATACCAA  
172501 GCAGAAGACT CTTCAGCACT GCACCCTCCT GGGTGCCTAC AGAGCCTTCT GTTGTTTTGC  
172561 CACCTACGAT TCATCATGCC CTGGCATGAT GGTTCAGAC CCCATGCATA GCATGGGACA  
172621 TTCTACTCCT GAGGCAACCA GCACACAGAG AGAGGAGAAA GAATGAGCCC CTGAATCCTT  
172681 GGTCCACGA TGAGTCCTTG CAGATATCTA CAACTTTCAT TGTGTGGAT GTGACTCTGT  
172741 ACCCAGGCAT GGCTCATTCC AGATCTGTCC TATTGTCAGA GGTGTTCAA CCAGAATGAC  
172801 TCCATTTTGA ATGGGGGCTA GGTAATAA GGCTGAGACC TACTGGGCTG CATTCCCAGG  
172861 AAGTTAGGCA TTGTAAGTCA CAGGATGAAA TAGGCAGTTG GCACAAGACA CAGGTCATAA  
172921 AGATCTTGCT GATAAACAG GTTGCAGTAA AGAAGCTGAC CAAAACCCAC CAAAATCAAG  
172981 ATGGCAACAA GAGTGGCCTC TAGTCATTCT CATTGCTCAT TATACACGAA TTATAATGTG  
173041 TTAGCAAGTT AGAAGGCATT CCCACCAGCT CCATAGTGGT TTATAAATAC CATGGCGATG  
173101 TCAGGAAGCT ACCCTATATA GTCTAAAAAG GGGAGGAACG CTTGGTTCTG GGAATTGCC  
173161 ACATCTTTCC CAGAAAACAT ATGAATAATC CACTCCTTGT TTAGTACATA ATCAAGAAAT  
173221 AACTGTAAGT ATCTGTATTA GTCCATTTTC ACCTGCTGA TCCAGACATA CCTGAGACTG  
173281 AGTAATTTAT ACCAGGAAAA AATGTTTCAT GCTCTTACAG TCCCACGTGT CTGGGGAGAC  
173341 CTCACAACCA CAGCAGAAGG CAAGGAGGAG CAAGTCAGGT CTTACATGGA TGGCAGCAGG  
173401 CAAAGAGCTT GTGCAGGGAA ATTCTTTCT ATAAAACCAT CAGGTCTCAT GAACTTAT  
173461 GACTATCATG AGAACAGCAG TATAAATTAC TCAGGGAAAG ACCTGCCCCC ATGATTCAAT  
173521 TACCTCCAC CAGGTCCCTC CCACAATATG TGGGAATTTA AGATGAGAGT TAGGTGGGGA  
173581 CACAGCCAAA CCATATCAGT ATCCTTAGTC CAGAAGCTGA TGCTCTGCCT GTAGAGTAGC  
173641 CGTTCTTTTA TTCCTTTACT TTCTTGCTTT CACTTTACTG TGTAGACTTG CCCCAAATTC  
173701 TTTCTCACAC GAGATCTAAG AACCTTCTCT TAGGGTCTGG GTTGGGACCC CCTTTCTGGT  
173761 AACACTATCA AAGGATCAGG AAAAGGAAGC TAGTGAATGC TAAAAAGGAA ACAAACTACC  
173821 ATTACCAATA ATAACAGCAA GACAAAAGCA AAACGGATTG TGACAGCTGT CCCATCTCAC  
173881 ACCTGTTTCC CATTGCAGGA AGGAGGGGCT GGTTCATGCA CAGAGTGGCC AATATTAGAA  
173941 GCAGAGATGG GGTGCAGATG AGACTTCAGG AATATGTTGA CAAAGGCAGG CCTAGGGAGA  
174001 AATCAACCTG AACTATCCCC AAGGAGGAAT GCATTATCTC TAATATGTAA AGTTAGGCTT  
174061 GATCCTGTGA TTATGGGATA TAGGAGTCCA AAGACTCACA ATGGGAAGTA GGTCACTAGA  
174121 GTCTCCTTCA GAAGCTCTGT ACTGTGTGTT CCCACTGTGG GCAAGAGTCA GCACTCAGCT  
174181 ATTCCTAGAA TGCCCTTCCCT CAACTCCTTC AGATTTTGCC TCTCAACTAA CCCTATCCTG  
174241 ACCACTTGTT AGCAAGTGTA CCCCTCTCTC CCTCCCAAAC ATTTTCAAAT CTATTTTGTT  
174301 CCCATGGCAC TTATCACTGA ATATTTTACT AATTTATTTT GTTTAGTGTT TGCTTCCCTC  
174361 ATGAGAATGC AAAGGGATGG ATTTTTTTCA ATATTGTTCA CTGATGAATC CCAGTAACTA  
174421 GAATATTTCT AAGCATAGTG ATGTGCATTA AATCAAAGAG TAACCTTCTG AATTGCACTA  
174481 AACACACATC ACAAGAGGTG TGTGCACATA TGTGCATGAT GCACGTAGTG TGGTGTGGGT  
174541 GTTGTGTGGG GTATGTGGTA CTGTGTGTGC TGTGTGTGGT ATGTGATACA TAGTTTGTGT  
174601 TAGTGTGATG CATGTGATGT GGTATGTGTG TGCGTGTCCA TACATATTAG GGGTGGCGGG  
174661 GATGTTAATA TGTCAAATGG TACTAGAAAG TATCAGAACT CATGGTGCTT ACTGGTTTCC  
174721 CAGAGAGCTG CTTCTCTCCC ACCTGTAGGA TATACTGATG GTTTGGACAG AGAAGAAATA  
174781 AAAAGAAGGC TGTGACCTAC TGGGCTGAGG AAATAAAAAA GAAAGTAAAA GAAGAGCTGG

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174841 GAAAAGAGAG TGGAGGGGCC AAGGGAAATT TCCCCTTTGG CTTCTGGGGA AACTTTGCTG  
174901 AAAAATCAAC TCACAAATTT ATTAACATGT ACACAGGGAG AACCATAGAA TGATTATCCA  
174961 CTTCCCAAGA GGGCTTAAAA GCTTATATAT TATCCTGGCA AAACAGATTA TGGGAGGGGA  
175021 AGAAGAGAAA CTCTGTTGAT GGGATTACTG TTGCGGATTT TTGCTCCTTC GCTCAGCTAG  
175081 GTCCGGGTTT TTGTCTCACA GCCAGGAAGA ATTAGGCATG CAGCCATCAA AGAATGAGTG  
175141 GAGTAGAATT TATTAAGTGA AAGGAAAGCT CTCAGCAAAG ACAAGGGTCC TGAAAGCAGA  
175201 TTTCTGGTTT GCTCTTCACA GTTGAATACT AGGGCTTAAG ACTCAAATTC CTGACAACCTC  
175261 CACCCTGTCC TACCAGTGCA TGCAGGCCTT TAGACTGAGC TACTCCATAT TGATTAATTTT  
175321 CCTGAACGTG GCATGTGTTA AGGAAAGGAA TCATCCACTG CAGGCATGTT TAGGCAAGCC  
175381 CCCTGTGCAA GTTCCCTTAT CTGCACAAAA CATCCGGTGT AAGCACTTGT GGGGCAGGTC  
175441 AGAGGTTCTC TGGGTACCAT TCCCTTACTG TCTGCCTAAA GCAAGCTGGC CAACTCCTTTT  
175501 CATTACTAGG GAGAGTAAGT AGATCAGGGA ACAGAGATTA ACTTGAACAT TATCTTGTGA  
175561 AAGTCCGTTC GGGCATGGTT ACATTCTTGG TCTTACAGGA AGGGTAAATA AAAATAATTG  
175621 CTCTTTTTTG TGGGTCTGGA TCTTAGGTAG ATAAAGAAAC TTTAATTCCA CGATGTGTTT  
175681 TGGTAGGGAT AGTTGGTGGC AGGGATGTCA GAGAGACTTT GAGGCTTCTT CAGTTCAATA  
175741 TGACCAAGGG CCATATATTA GGGTATCAAT TTCTGAGCCC CAACAAGAGC TTAGGAGAGA  
175801 TGTGATAGCA TCACAGTGTG AAAGCAATTT TTTGTTTGT TTTAGAGACA GGCTCTTGCA  
175861 CTGTCACCCT GGCTGAAGTA CAATGGTACG ATCACAGCTC ACTGTAATCT TGAAGTGGGT  
175921 TCAAATGATC CTCCCATCTA AGCATTTCOA AGTGTGGGGA TTACAGGCAT GAGCCACGGT  
175981 ACCCAGCCTG AAAGTGCACC CACTTTCTGA TAAACTTTTC AAATGACTAA AGGGGAGAGA  
176041 GTAAGCACTA CTCAGAGGTA GGAAGAAAGG ACACAGGATT ATAGGATTAA AACAACAACC  
176101 ACCAAAAAAA ACCAGACCGG TGTGGTGGCT CACACCTGTA ATCACAGCAC TTGGGGAGGC  
176161 TGAGGTGGGG GGAGTCACTG GAGGCCAGGA GTTCGAGACG AGCCTGGCCA ACATAGCAAG  
176221 ATGCTGTCTC TATTAATAAA AAAAATACC TGCCCTGAGC TAATCAGAA CATGGACCTT  
176281 GACAAAGGAT GTCCCAAAGT AAGTCTTAGC ATTTTCTTTT TTTTCTTGAG ACAGTCTCGC  
176341 TGTGTTGCCC AGGCTGAAGT TCAGTGGCGT GATCTCGGCT CACTGCAACA GCTGCCTCCC  
176401 AGGCTCAAGC AATTCTCCCT GCCTTCAGCC TCCCAAGTAG CTGGGATTAC AGATGCCCCAC  
176461 CACCACGCCT GGCTAATTTT TGTTTTTTTT AATAGAGATG GGGTTTTGCC ATGTTAACCA  
176521 GGCAGGTCTT GAAGTCTTGA CCTCAAGTGA TCTGCCCCACC TTGGCCCCCTC CATAGTGCTG  
176581 GGATTACAGG CGTGAGTCAC TGCACCCGGC AAAGTCTTAG CATCTTTAC AAACAGTTTG  
176641 TACCCGTATC TCTAAAAGGG AGTAGTGAAT TTCACCCCAA AATGTGGCTT CCTGATATAA  
176701 TGAGTATTTT GAATGAAAAA CTCTTAGAGA TCAACAGACA CTAAAGAGAC TTTTCCCTAG  
176761 GTACATAAAA ATAGGATGGC CCCACCAGCG AGAACAATTG TTCTTTTCTC CCTCTCTGTT  
176821 ATCTCATTGT GCATTATAGG AAAGACCAAG AATGTAACCA CACCTGAACA GACCCTTTTA  
176881 TAAGATAATC AGTCTCTAAG CATCATTTAA ATTCCAAGGA GAACTATTTA CAAATTTATC  
176941 TGTCTTTTGA TCCAATTAGT CTCTCCTGGT AGTTACATAT TGCCCCCTCA CAGAATTCCT  
177001 CTTCTTCTGT TTCCCATAAC CTATTTTGCA AGGATCAAGC CCCTGTTATT TCTTCAACTT  
177061 CAAGGTGGCA TATAAGCTTC TAAATTCAC TGGGATATTG GTACTATGTG CATGAGGAGA  
177121 ACCACAGAGT AATTAAATTG TAAAGCCTTT TATCTTATGA ATCTGCCTTT TTTTGTGTTT  
177181 ATTTTTCAGC AAAACTTCCA AGGGCAAAGG TATAAAACAA AAATAAAATT CTAAAGCCCC  
177241 CCAACCATCT GAATAGACTT TCTCTTCAGT CAGGCTTCTT AAAATGTAAC CTGAAAGACT  
177301 GGCTCAGGCC ATTAAGGGAA GTGGGGGTG AACATGCCTC ATTATTCCTC TCTGGCATT  
177361 ACATCAACAC AGCTTTTAAG TCTGATAAGA AACATTTTAC AACCTATTCT CTCTGAAGCC  
177421 TGCTAGCTAA AAAGTTCATC CCATAGTACA ACTTTGGTCT TCACAACCTG TTATCACAAC  
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178021 TAACTGAAAA ACAGAAAATA AATAAAAATA TATAATAACT GAAATAAAAA TTTACTAAGG

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178081 CTGGGGATGG TGGCTCACTC ACACCTGTAA TCCTGTTACC GGAAAGGGGT CCGTCCAGAT  
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178201 AGTGAAAGCA AGTTTATTAA GAAAGTAGAG GAATAAAGA ACGGCTACTC CATAGGCAGA  
178261 GCAGCTCTGA GGGCTGCTGG TCGCTCATTT TTATGGTTAT TTCTTGATTA TGTGCTAAAC  
178321 AAGGGGTGGA TAATTCATGC CTCCATTTTT TAGACCATAT AAAGTAACTT CCTGACGTTG  
178381 CCATGGCATT CGTAAACTGT CGTGGCGCTG GTATGAGCAT AGCAGTGAGG ACGACCAGAG  
178441 GTCACCTCTCA TCGCCATCTT GGATTTGGTG GGGAGCAGTG AGGATGACCA GAGGTCACCTC  
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178561 TTTGCCCAGG CTGGAGTGCA GTGGCACGAT CTCAGCTCAC TGAAACCTCC AATTTCTGAG  
178621 TTCAAGCGAT TCTCGTGCCT CAGCCTCCCA AGTAGCTGGG ATTACAGGCA TGTGCCACCA  
178681 CACCCAGCTA ATTTTTTATA TTTTAAATAG AGACCGGGTT TCGCCATGTT GCCTACGCTG  
178741 ATCTCCAACCT CCTGCGCTCA AGCCATCCAG CCACCTTAGC CTCCCAAAGT GCTGGGCTTA  
178801 TAGGTGTGAG CCACCCACC TGGCCTAGCC GGCTTCTTTA CTGCAACCTG TTTTATCAGC  
178861 AAGGTCTTTA TGACCTGTAT TTTGTGCCCA CTGCCTGCCT CATCCTGTGG CTTACAATGC  
178921 CTAACCTTACA GGGAATGCAG CCCAGCAGGA CTCAGCCTTA TTTCACCCAG CTCCTATTCA  
178981 AGATGGAGTC TTTCTTGTTC AAATACCTCT GACAAGCCCA ACACCTTGGG AGGATGACAC  
179041 AGGAGGATTG CTTTAGCCTA GGAGCTCAAG ACCAGCCTGG GCAACACAGT GAGACCCAT  
179101 CTCTAAAAA AAAAATACAA AAAAATTAGC CAGGCATGAT GGTGTGTGCC TGTAGTCCCT  
179161 GCTACTCAGG AGGCTGAAGT GGAAGATGG CTTCAGCCCA GGAATTCAAG GCTGCATTGT  
179221 CAGAGGCATT TGAACCAGAA TGACTCTATC TTGAATAGGC GCTGGATAAA ATAAGGCTGA  
179281 CACCTGCTAG GCTGCATTTT CAGTATGTTA GGCATTCTTA GTCACAGGAT GAGATAGGAA  
179341 GTCAGCACAA GGTACACATC ACAAAGACCT TGCTGATAAA ATAGGTTGTG GTAAAGAAGT  
179401 TGGCCAAAAC CCATCAAAAC CAACATGGCC ACCAAAGGGA CCTCTGGTTG TCTTCACTGC  
179461 TCATTATATG TTAATTATAA TGTATTAACA TGCTAAAAGA CACTCCTACC AGCATCATGA  
179521 CAGCTTACAA ATACTGCGGC AATATCTGGA CTTTACCTTA TATGGTCTAA AAGGTGGAGG  
179581 AACCCTCAAT TTTGGGAATT GTCCACCCCT TTTTGGGAAT GCTCATGAAT AATCCACCCC  
179641 TTGTTTAGCA CATAATCCAG AAATAACTAT AAGTATGCTT ATTTGAGCAG ACCACGCTGC  
179701 TGTCTGCCT ACAGAGTAGC CATCTTTT TTTCTTACT TTCTTAATAA ACCTGCTTTC  
179761 ACTTTACTGT ATGGACTTGC CCTAAATTCT TTCTTGTGTG AGATCCAAGA ACCCTCTCTT  
179821 GGGGTCTGGA TCAAGACCCC TTCTGGTAA CATCTTCTG GTGACCACGA AGGGACAATA  
179881 CTGAGGAGAC TCTGAAGCCA AAGGAAACAG ACTACAGCAC CAACTGGCTG ACTTTGGGTA  
179941 AGTGGTGGAG TCCCCGGGTA AAGGATAGGA TTGGGTTAGA GGTGCAACTT AGGGGAGATA  
180001 GGGTCTCTCC TAAGACAGAG AGGGTTTCAG TCCGCTCTTA ATAAAGGGCA AGAAGGCTTG  
180061 ACCGAACCTG GGTTTGAGAC CCAACTTAGG AAGGCTACAG TCCTTAAGAT TTAAGGGGTT  
180121 AGAGGCCCT CTCAGTAAAG TCTCTCTTGG TTAACAAACG ATTTAGCATT AGGGGATGTT  
180181 AACTGCTATT CTGTTTGTAT TAATCTTCCC TGTGCTCTTT GCTGACAGCT ATGGGTGACA  
180241 GGATTAGGCA TGTACAGGAT CACGGGACAT TGGGAACTTT TCTTCTCTCC AAAAGGGGAA  
180301 GCTTGACAGC TGATAGGACT GTTGGAAAAG ATCCCTTTGC TATGACAAGC AGCCGCCTGA  
180361 ACTTTTGATT CAGTGTGCT GCAATGGGTG GGTCTTTCTC TGGCCTCTGT GAACTCCTCA  
180421 CCTTCCCCAT CTCACCACAG GCAATGCTTT TCTCCCTTTC TCTCTTTTCT CTTTTCTGTC  
180481 TTTCTGTTA CTTGAGACAA CCATCTTGCC CAGAGACCAT ATGTTGAAAC TCCTGGTCAG  
180541 AAGTTTGATT AAAGATGAAA GGGCCTATCT GGGGGCAAGT TTGAGCCTTC CCAGTTAGAT  
180601 ATTGGGTGCT AAGTGGAGTG GCCAATGTCT ATGTTTTGTC ACATGTATAT TGCTCTGGCT  
180661 GAAATGGAAA ACGTTAATTT GGTACTTTA TGTGGCCATT GGGCAGCATC TTACAAAAGT  
180721 GAGAGACATT TATTTGCCTG TGGTTCATG AAACAGAAAA AAGTTGGTTT TCTTTTGTGT  
180781 CGTAGCTTGG ACCCAAGGEC TTTGCAGTGA GCAAGGTTGC TAGTGCTGCT CAGTGAAAGA  
180841 GAACCCAGAA ACCTGGCATG CCAGCAAAAG GGTAAAGATT TCTTACCAGT CAGGCTTCTG  
180901 GCCTCTCTCT CTTAGTGAAA ACTGAATGAA TGGTAAAAAT CACTGTTTAT CACCTCTGTA  
180961 AAGTTTTGAT TAATGGGAAC AAGGATTTGT GGGGCTAGTC TTAAGCTGTA ATGAATCTGG  
181021 TATACTTTGT GATATCAATT TGTCTTTCTG TATTACTCTG TCATAAAGAG GAATATGGTA  
181081 GGATAGAACA TGGGCTCAGG ACTCCATAAG CCTGCTGTTC AAGCCAGCCC AGTAAACTGG  
181141 TCCGTTGCAA AGTTTATTAC AGGTCCCTGG AAAAAAAAAA AAATAAAAC TGGATGAAGT  
181201 TTCCTTCTCA TCTTGTTTTA TGTCTTTTGG AGCTTCACCT TGTAACCACG TGGCGGTACT  
181261 TTCTCTTGGT CTCTGCCATC CAGGGAACAG GAATTTTGGG GTTTATGTAA TAGTTAACTC

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181321 TAAAAATTAT CTCAAGCCAT TGCAAGCTCA AAATTGGCTG CTCTGGACCC CTTCTGGGAA  
181381 GGGCAATGGA AACTAACCAG TGTGTAGCT CAGCAGCTAA GGATTGTGCA TTTTATAATG  
181441 GCGGCCAAGG TTCAATCCTG GCTTAGGGAA TGAGTACTTT CTGATTGATA TCTGTGTGAC  
181501 CTTTACCATT TGTTGATTCT GTTCTCTTCC CCTCCACACA CTGTCTTGAG TTTTCTCTC  
181561 TCTGAGAACC TGGGAGATTA TCTTTGGTAA AGTTCAAAAG CCAGAAATAA TGGCCGTGTG  
181621 GGATGGCTAA AGTTGAGTAA TAAGAAACTT AAAAGGACTC CTTTTTTTTT TGCTTTAGAG  
181681 TGCTATGGTT TATGGTTAAA AGCTTAATTA AAAGTGGATA TTCAATCTCT AAAAGCCTGG  
181741 GACTCCTTGG GAAAAGCAGA GGAGGCACCA CAGACCCCAT TTTGGGAAAA CCTCTGTTTT  
181801 CCTCATGAAA CCCCAGGAAC TGGAGTGGA TAGATCCTTC GCAAAATCTA AGGCTCTGTT  
181861 TGGCTTTTGA TTATGTTATC TGATGTTTTT GACTTTTGGG GGTATCAGAA ATTACTTTGC  
181921 ATTATGAGGG AGATCTGGTG TGTAATAACC AGGTAGGAAA TATACTTCTG GGGATAGCTA  
181981 AAGGCAATA TAGGTGAATA CTTGGCTATT TGCACTTTTG GATCACAAGA AGCATTCTCT  
182041 TGACTACCTA GAAGGTATGG AAATGTCTCC ATCCCCACCG AGAGATAAGA TTCCCAGGGG  
182101 AGATGGCTGA TCCCCAAAA GAGGGCTGAT TCCCTCTTTT GGGATCCAGG ATCTGGTATA  
182161 AAAATGGGAC CCTGGCCAGG CACAGTGGCT CACGCTGTA ATCTCAACAC TTTGGGAAGC  
182221 CTCAGAGTTA TGAATGTCTC ACCATACTGA CACTTTGTGA CTGAGCTCTC CTCTACCCCTG  
182281 GACACAAGAG ACCCTAATAA TTAGACAGGA ATATCATTGC CCCTATTTAG TCTGAAGCAG  
182341 TTATAGAAGA CGGATCTTTA TCCCACTGCA ATCCTTAGGA TTAAGGGTTC CTTGGTAAAA  
182401 GGGAGTGGGA AAATATGTCA GAGGCATTTG AATCAGAGTG ACTCCATCTT GAATAGGGGC  
182461 TGGGTAAAAT AAGGCTGAGG CCTGCTGGGT TAGGTTAGGC ATTCTAACCA GGAGTTTAGT  
182521 CACAGGATGA GATAGAAGGT TGCACAAGGT ACCCGTCACA AAGACCTTGC TGATAAAATA  
182581 GGTAACGGTA AAGAAGCCAG CTAAAGCCCA CCAAAACCAA CATGGCCACA AAAGTGACCT  
182641 CTTGTCTATC TCACTGCTCA TATACACTAA TTATACTGCA TTAGCATGCT ACAAGACACT  
182701 CCCACCAGTG CCACGACAGT TTACAAATAC CATGACAACA TCTGGACGTT ACCTTATATG  
182761 GTCTAAAACG GGAAGAACC CTTAGTTCTG GGAATTGTCC ACCTCTTTCC TGAAAAATTC  
182821 TTGAATAATC CATTAGTTTA GCACATAATC CAGAAATAAC TATACGTCTG CTTATTTGAG  
182881 CAGTCCATAC TGCTGCTCTG CCTATGGAGT AGCCATTCTT TTCTTTTATT TTTATTTTTT  
182941 AGATAAAGAC TCGCTCTGTC ACTCAGGCTG GAGTCTGGAG TGCAGTGACG TGTTTTGGCT  
183001 CACTGCAACC TTCACCTCCC GGGTTCAAGC AATTCTCCTG CCTCAGCCTC CCAACTAGCT  
183061 GGGACCACAG GTGGGTGCCA CCATGCTGG CTAATTTTTG TATTATTAGT AGAGATGGGG  
183121 TTTCGCCATG TTGGCCAGGC TGGTCTCGAA CTCTGGCCT CAAGCGATCC ACTTGCCTTG  
183181 GCCTCCCAAA GTGCTAGGAT TACAGGCATT ACCCACTATG CATGACCCAT TCTTTTATTT  
183241 CTTAACTTTT TTTTGTTTTT TTGAGACAGA GTCTCACTCT GTCACCCAGG CTGACCCCTG  
183301 GAGTGCAGTG GTGCGATCTT GGTTCCTGCT AACCTCTGCC TCCTGGGTTT AAGCGATTCT  
183361 TCTGCCTCAG TCTCCTGAGG AGCTGGGACT ACAGACATGT GCCACTACAC CCAGCTAATT  
183421 TTGTATTTTT AGTAGAGACA GTGTCTTGCC ATGTTTGTCA GGCTTGTCTC GAACCTCTAA  
183481 CCTCAAGTGG TCTGCCTGCC TCAGCCTCCC AAAGTGCTGT GATTACAGGC ATAAATCACT  
183541 GCGCTCGGCC CTTCTTTACT TTCTTAATAA ACTTGTTTTT ACTTTACTGT ATGGACTAGC  
183601 CCAAAATTCC TTCTTGTGTG AGATCCAATA ACCCTTTTGT GTGTGAAAGA ATGTATTGCT  
183661 GCTGTTTCAAG CTGGAGCAAG CTGGAGCTCA TGCTGCTGCT CAGACTGGAG CATGCGTGAT  
183721 CTGTGATCCC AGTAAGAGGA TCATGGTCAC TCCAGCCTGA ACGACAGCAT GATATCTCAT  
183781 CTGTAAGAAA AAAAAATTAC TAGAGGGCTT TAACAGCAAA TTTGAGCAGC AAAAAGAAGT  
183841 AATCAGTGAA CTCAAAGATA GGTCATTGTA AATGATCTAC TCTGAAAAAC AGAAAGAAGA  
183901 CAGATGAAG AAAAAGAAAT AGAGCCTTAG AGACAGGGGA TACCATCAAG CATACTAATA  
183961 TATGCATAAT GGGACTCCTA GAAGGAGAAA AGTGAGAGGA CAGGGAGAGA GAATGTTTGG  
184021 AGAAATAATT TCTCAAAGCT TCCCATGTTT GGCAAAAAAG CATTAACCTG CATACATATT  
184081 TTAGGAGCTC AATGAATTCC AAGTAGGATA CACTCAAAGA GATCCATACC TAGACACATC  
184141 ATAATCAGAT TATCAAAGA TGAAGAAGAT GAATCTTGAG AGCAGAAAGA AAGGAACAAT  
184201 TCATCACATA CAAATAGTAC TCAAAGATG TCTGGAGTAG GTATACTAAT ATCAGACAAA  
184261 ATAACTTTTA AGATAAGCAT TGTATAATA AATAAGAAA GGTATTTTGT AATGATAAAA  
184321 GTGTCAATTC ATCAAGAAAA CATAACATTA TAAACATACA TGCACCTAAC AACAGAGCCC  
184381 TAATATTCAT GAAACAAAAC TGACAGAATT GAAGGGAGAA ATAGAAAAAT CGACAATAAT  
184441 AGTTGGAGAC ATCAATACCT CACTAGTTAG ACAAGATCAA CAAAAAATA GAAGACTTAA  
184501 CACTTGAAAA CACCTAACCT GACCCTAACA TAAATCTATA GGTCACCTACA CCCCCAACA

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184561 GCAGAATAAA CATCCTTCTG AAGCTCACAT GAAACATTTT TCAGGATAGA CTGTATATTA  
184621 CTTTCATGAAA TAAGTCTCAA TAAATGTAAA AGGACTATAA TAATAGAGTA TATATTCTCT  
184681 GACCAAAGTG GAATGAAGAT AGAAATCAAT AACTAGGCTG GCGTGATGG CTCACGCCTG  
184741 TAATCCCAGC ACTTTGGGAG GCCAAGGCGG ACAGATCACG AGGTCAGGAG TTTGAGACCA  
184801 GCCTGACCAA CATGGTGAAA CCCTGTCTCT ACTAACAAAA TACAAAAATT AGCCAGGCCT  
184861 GGTGGCATCT GCCTGTAGTC CCAGCTACTC GGGACACTGA GGCAGGAGAA TCACTTGAAC  
184921 CCAGGAGGCA GAGATTGCAG TGAGCTGAGA TCGCGCCACT GCATTCCAGC CTGGGAGACA  
184981 GAGCGAGACT CCGTCTCAAA ATTAAAAAAA AAAAAGAAAC TAGAAAAATA AGAACAAATC  
185041 AAACCCAAAG CAAGCAAGAG GAAAAATGAAA AATTTCAAAG CAGCCAAGAA CAAAAGGCAC  
185101 ATTATGTACA GAAGAACAAG TGTATAGATC ACATATTTCT CATAGACACA ATATAAGCAA  
185161 AAAGACAGTG GAGCAAAATT TTTTAGATTA ATGAAAGACC TACAATTCTG TACCAAGCAA  
185221 AAAAACTCCC CCCAAATGAG GGTGAAATAA GACAATTTAA TACAGAGAAA AGAGGAAGGA  
185281 ATTTATCTAG TCATATGTGA GAGTTTATG ATACATTTTG TACTGTATAT GTGGATGTTT  
185341 TCTATTTTCAT TTAAAAAATC AACCGTGCAA TTAAATGGTA GATTGTCTTG CTTCTTTTTG  
185401 ATTGACACAG TCATTAACCTA AAATATTGTA GTATTTTTTT ATCTCCCTGC CTAAAGGCAA  
185461 TAAACATCTA ATCAGCAGAC TAGAACAATA AAAAAATATT TTTAAAAGTC CTTTAGGCAG  
185521 AATGATAAAA GTCCCTTAGG CATATTGAAA TTCCTATTTA TACAAAGGAA TAAACAGTAC  
185581 TAGAAATTGT AACTATGTGA GTAAACAGAT AATATTTTTT CTCCATAAAA TGTGGTTGAC  
185641 TATTTTCACA AAAATAGTTA ACAATGTAAT GTGTGATTTA TAGCATTTAA AAGTAAACA  
185701 GGCCGGGCAC AAAGGTTTCG GCCTGTAATC CCAGCACTTT TGGAGGCCGA GCGTGCAGA  
185761 TCACTTGAGG ACAGGAGTTC AAGACCAGCC TGGCTAACAT GGCAAAACCC CATCTCTACT  
185821 AAAAAATACAA AAATTAACCA GCGTGGTGG TGCACGCCTG TAATCCCAGC TACTCTGGAG  
185881 GCTGAGGCAC AAGAATCACT TGAATCCAGG AGGTGGAAGT TGCAGTGAGG CAAAATTATA  
185941 CCACTGTGCT CCAGCCTAGG CAACAGAGCT AGACTCTGTC ACACACACAC ACACACACAA  
186001 AAGAAAAGTG TATGACAACA ACAGTGCAAA AGAAGTGGAA ATGAAAATAA TGTATTTTTA  
186061 TATAAGTGGT ATACTTTTAG ATGAACTACG ATAAATTAAT GATGTATACT ATAACTCTA  
186121 AGGCAACCAC TGAAATAATG AAACGAAGAA TTATGGCTAA CAAGCCACAA AAAGAAATAA  
186181 AATAGAATGA GAAAAAATAT TTAAGTTGTT CAACAGATGG GAAAAAAAG AGGAAAAAGA  
186241 GAACAAAGAA CAGATGGGAC AAATGGGAAA GTAATAGCAA GATGATAGAC TTAACCTCTAC  
186301 CCATATAGAT TATCACACTT AAGGTAAATG ATCTAAATAC TCTAATACAA AAGCAGAGGT  
186361 TGTCAGATTG AATTAATAAAA ACAGACAACA ACAAAAAAAA GCAAAAAAAG AGCCACAACA  
186421 TGCTGCCTAC AAAAAATTCA CTTTAATATA AAGACACAAA TAGTCTAGAA CACCATCACT  
186481 TTTAACCCTTA TTTACTCAAA CCTCCTGATC CCTATTTATT TATTTATTAT TTTTATTATT  
186541 TATTTATTTA TTTATTATT TTTGAGACAG AGTCTGACTC TGTTGCCAG GCTGGGATGC  
186601 AGTGGCACCA TCTAGGCTCA CTGCAGCCTC TACCTCTCGG GTTCAAGCGA TTCTCCTGCC  
186661 TCAGGCCTCC CAAGTAGCTG GGACTATAGG CACATGCCAC CATGCCAGC TAATTATTAT  
186721 ATTTTTAGTA GAGACGGGGT TTTGCCATGT TGGCCAGGTT GGTCTCAAAC GCCTGACCTC  
186781 AGCCTCCCAA AGTGCTGGGA TTACAGGCGT GAGCCACAGC ACCCAGCTCC TCTTCATTTA  
186841 TTCTTGCTAC GCTTCCTCCA ATCCATTTTG TGCATTTGAT GATTTTGCCA GTAACCTCTT  
186901 TATTTTTCTG GTAAAATTAC TTATGGGTCA CTGAGGACTG GGATGTTCTT TCTTCTAGAG  
186961 GGGGTTTGTG TCTGCTTTTG CCAGGAAGCT GGGGTACCAC CAGTCAAGTA TTACTTTAAA  
187021 CTCAATTCAT GAATTGAGAC TTTTTTTTTT TTTTTTTTTT TTACGCAGAG TCCTACTCTG  
187081 TCACCCAGGC TGGAGTGCAG CCGTGTGAAC ATGGCTCACT GCAGCTCAA CCTACTGAGC  
187141 TCAAGCAATC CTTCTGCCTC ACCATTCTGT ATAGCTAGGA CTACAGGTGT GTGCCACCAT  
187201 GCCTGACTAA TTTTTTAAAT ATTTTTTTTA GAGATGGGGC TCACTTTGTT GCCCAGGCCA  
187261 GTCTCGAGCT CTGGGCTCA AGTGATCCTC CCACCTTGGT CTCCCAAAGT GCTGGGGTTA  
187321 CAGGCATGAG CCTCTGTGGC TAGCCAAGAC TTTTATTTT TTAGCCTAAA TGTGTATAAA  
187381 AGTTGGCTTG TGGTTACAAC TTATCAGGAT TGATGATCTC TCTCTCTCTC TCTCTCTCTC  
187441 TCTGTCTCTC CCCACCTCTC TCACATCCCT TGCTCTGCTG AGAAGCAGAG CAAACATTCT  
187501 AGCAGTTTCC AGAGAGTAGG ATGGGATTAC TTCTAGTTTA CTTTATCAT CCTTTGGGAT  
187561 CGCAGTATTA CTGGGAGAAC ACAAGTATCT CTTATTAGAC ATACCACCTT TGTAAGATCT  
187621 GGACTTTTCAT TTTAGACTTT ATTTGTTTTT TACTATAAGC AATTTAAGTT ACAGATCTCT  
187681 CTACACACTG TTTAAGTTGC ATCCCATGAA TTTTGATGTG CTTTATTGTC ATTATTATAT  
187741 AGTACAATGT ATTTTGTAAAT TTTTGTGAT TTGTTGGAG AGATTGATTA ATTAGAATGA

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187801 TGTTTAATTT CCAAATATGT GTGTTTTTTT CTACATTTCT TATTTTTATT GATTTCAAAT  
187861 TTATTTCTAC TGTAGTCAGA TTTAATAATT CATTTATTTT TATTATTTTC ATTTTTTTAG  
187921 AGACAGGGCC TTTCTGTGTT GCCCAGGTTT GTCCCAAACCT CCTAGTCCCA AGCAGTTCTC  
187981 CTGCCTCAGC CACCCAAAGT GCTGGGATTA TAGGCACGAG CCACCCGTGC ACAACCAACA  
188041 ATTCATTTAA AAAGTGGGCA AGTGAAGTGA ACAGACATTT CTCAAAGAA GGCATACAAT  
188101 TGGCCAAACA ATATATGAAA GAATGCTCAA CATCACTGTA TTAGTCTGTT TTCATGCTGC  
188161 TAATAAAGAC TTAACCTGAG ACTGGGGAAT TTACAAGAGA AAGAGGTTTA ATGGACTTAC  
188221 AGTTCCACAT GGCTGGAGAG ATCTCACAAAT CATGGTGGAA GGCAAGGAGG AGCAAGTCAC  
188281 ATCTTACATG GATGGCAGCA GGCAAAGAGA GAGCTTGTGC AGGGAAACTC CCGTTTTTAA  
188341 AACCATCAGA TCTCGTGAGA CTCATTTACT ATCATAAGAA CAGCATAGGA AAGACCCGGC  
188401 CCATAATTCA GTCACCTCCC ACTGGGTTCC TCCCAGGACA CATGGGAATT GTGGGAGTTA  
188461 CAATTCAGAA TGAGATTTGG GTAGGGACAC AGCCAAACCA TATAAATAAC TAATCATCAG  
188521 GGAAATGCAA ATCAAAACCA CAATAAGGTA TCATCTCACC CCAGTTAGAA TGGCTATTGT  
188581 CAAAAAACA AAAAAATAACA AATGAGGTG AGGATGTACA GAAGAGGGGA CTCTTATGTC  
188641 CCACTGGTGG AAATGTCAAT TAGCATAGCC ATTATGCAAA ATAGTATGGA AGTGAGGTAG  
188701 GTTACATAGG GTGGTCACAG CCTCCCTTGA AAGGAAACAA GAAACTTGTC AAATTGATGG  
188761 AGAGAACAAA TCTCTTGACA TTACACAAAC TGCATCTGGG GCTAGTGGTT AGAATATCCT  
188821 CAGTCAAGGA GGTAAGAGAG CAGGAGGGAA AATCCCTAAG TTCGTGCAAG TGCAGAAACC  
188881 CACAAGCTGT GTTCTCAGGT TGACATATAC TCATTTTAAT AGTAAGAAAC ACACCCCTGG  
188941 GTAGAGAATT AAAATGCTAA TAATACATGT GATGTATGTA CTAGCGTGTA TGGCAATATT  
189001 GCATGCACAT TCAAGAGACC ACCCAAACA TATTTAACA CAATGCCCAT TCCCACCCCC  
189061 TCATGGATAA TCACGTAGGA CTCCCATAAC GGGAGTTTCT TCAGTGTCAA TTGGTGCTGA  
189121 AGTAGCCGAC CCTGACTCTG CTATCAGCGT GTACTTTCAC CTTGCAATAA ACTCCTTTGC  
189181 CTACTTTTAC TTTGGACTGG CTTTCAAATT CTTTTGTGCA GGGAATTCAA GAATCTGAAC  
189241 CAGCCTACTG ACAACAGAGG TTTCTCAGAA ACCTAAAAAT AGATCTACCA GATGAGGCTG  
189301 AAAATCTGCT ACTGGCTATT TATCCAAAGG GAAGGAAATC AGTATACAAA GAGACACCTA  
189361 CATCCCCATG TTTATTGCGT CACTCTTCAC AAGAGCTGAT ATATAGAGTC AACCCTAAT  
189421 GTTCATTAAC AGACAAATGG ATAGAAAATG TGGCATATAT ACACAATGAA ATACTATTTG  
189481 GCCATGAGAA GAATGCAATC TTGTCAATTG TGGCAACGTA GATGAACTG GAGAACATTA  
189541 TGTTAAGTAA GATAAGCTAG GATTGGAAG ATAAATACTA CATGTTATCA CTCATATGTG  
189601 AAAGTAGAGA AAAATTTTTTA GCTCATGGAT TTAGAGAACA GAACTGTGGG TACCGGAAGC  
189661 TGGGAAGGGT AGCAAGGAGG GGAGGATAGG GAGAGGTTGG TTAATGGTGA CAAAATTACA  
189721 GCTAGATTGT AGAAATGAGT TCCGGTGTTT TGCACCATTG TAGGGTGCAT AAGGTTAACT  
189781 CTCATTTATT GTATATTTTC AAAAAGCTAG AAAAGAATTT TGAATACTCA CAACAAAATA  
189841 AATGATAAAT GTTTAAGGTG ATGGATATAC TAATTACTCT GATTTGATTA TTACACATTG  
189901 TGTACACATA TAAAAATATC ACTCTTTATC CCGTATATAT GTACAGTTAT TATATGTCAA  
189961 CTAAAAATAA AAGAAAAAAA GAATATGATC TATCATGATG TATATATCAT GTGTACTTGA  
190021 GCAAAATGTG CATGCAGATA TTGTGTATAA TGTTCTATAA ATCAATTAGC TCAAGATAAT  
190081 AGATAGGATT GTTCAGATCT TCTGTGTCTT TACTGATATT TTGTCTAGTT ATTGCATCAT  
190141 TACCAAAAAA AGGGTGTTAA ACTCTCCAAA TGTGATTGTA GAATTGTCTA TTTTGTCTTT  
190201 TCTTTTCCAT TTTTACTTTA TGTATTTTGA AACTCTGTTA TGACATTTTG CTATGTATTT  
190261 TAAACTTTCG TTATGTATTT TGAAACTCTG TTGTTAGAAT CATACTTTTA TGATTATTAT  
190321 GTTTTCTTGA TGAAATGACA CTTTCTATT GTCATTTGTT TTGTTTTTTC TGAAATGGAG  
190381 TCTCACTCTG TTGCCAGGC TGGAGTACAG TGGCACAATC TTGGTTCCT GCAACCTCCA  
190441 CCTCCTGGGT TCAAGCGAGT CTCCTGACTC AGCCTCCAAG TAGCTGGGAT TACAGGCATG  
190501 TGCCAGCATG CCAAACCTAAT TTTGTATTTT TATTAGAGAC AGAGTTTCAC CACGTGGGCC  
190561 AGGCTGGTCT CGAACCTCTG ACCTCAGGTG ATCCGCCCAC CTCGGCATTT TTATTTTATT  
190621 TTATTTTTTT GAGACAGAGT CTCACTCTGT CACCCAGGGT AGAATGCGGT GGTGTGATCT  
190681 TGGCTCACTG CAACCTCCGC CTCCTGGGTT CAAGCAATTC CCATGCCTCA GCCTCCCGAG  
190741 TAGCTGGGAT TACAGGCACA TACCACCATG ACTGGCTAAT TTTTGTATTT TTAGTAGAGA  
190801 TGGGGTTTTT CTATGTTGGC CAGGCTGGCA ACTGACTCCT TTAACAATAC AAAATATCAC  
190861 TCTGTCTCTG GTAACACTCT CTGTCTTAAA CTCTATTTTA GCTGTTATTA TTATAGCCAT  
190921 TTTAGTCTTT TTATGCTTTC TGTTTGCATA GTGTATATAT TTTAATATGT TTATTCTCAA  
190981 GTTATCTGTG TTTTTATATT TAAGATGTTT CTCTCTTAGC CAACGTGTTT GGTCTCTGCA

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191041 TTTTAAAGTC GATTCTAACA ATCTTTGCCT TTCAATTGAA ATATTTACAC CATTAACATC  
191101 TAACATTAAC ATTTATTTTT CTTTCCACAG TACACTGGCT AGCATCTCCC ATATAATATT  
191161 GAACATAAAG TGTGATAACT GACATCCTTA TTTTCATTCCCT ACTCTGAGTG GAAAGGGCAG  
191221 GGGTGGAGAA AGCATTCAAC AATTTGCCAT AATTATAATG CTTTTTGTTA CACTGTTTTT  
191281 TTCTGCATTA AAAAATATCA TTACATTTTG CATGAATTAT TAGGAGAAAA TATTTTCCAA  
191341 TTTTCCTGGA AAATGCCATA ACCACGTCTC TCAATTTTGT TTCCATCTTT CTTCCACATT  
191401 TTACATAACC TACATAAGAG ACACATTATC AAGTATATTT TACATGGCTT CTCAGTGTCT  
191461 TCTCTGTCTG CTAACAGGT TACCAAGAGA TGGCACTCTT GTATTTCTGG TGGCTATGTC  
191521 CATATCGTTT TGCCTTTAAG ACAGCGTAAC TACTTCTTTC ACCAGTATTA AAGACATGTA  
191581 CATTTGATCT GGTTCCTTGTG GATGATTTTA AATGACTCAA GCTAATAATC CTAATTTTAC  
191641 CTAAACACTC CATTATTTTA AAATGTATTC CTTTATGCCC ACAATAAACA TTTATTGACA  
191701 TTAGGCTGGA CATTAGGCTT CTCTATGGCA GACATTAGGC TGGACCCTAG CCATATATCT  
191761 ATTGAGGGAA AAAAAATTAT TTTCTATATA AGTTTCCAGA AAGCCAAGAT GTGTTTTTAA  
191821 AACAAAACAA AACATTACAT TCTAAATGCT GTAACAAGAT AAGAAAAAGT GTTGAGGCTG  
191881 AGAGAAGAAC AAAGCAGCAA GCAACTCCTG GAAGGACCAC TGCTGCAGAG GTAATTAAGT  
191941 GTGAACCATG TTTTGGAGAA GGAAAAGGTC ACCAAGAGAA GGAGGGGGTC CAGGGTGTTC  
192001 AGAAAGATTG CATGCATAAA GATCAAGGGT AATAAAAAAA ATTCCTGATT ATGTAAATGT  
192061 GAAGTTCCAG GACCATGAGC TTGGAGAGCA TGAAGTACAG GAGGAGGGTT GGTTCAAAAT  
192121 AAATCTGGGA ATGAAACAGT GAAGCCTCTG GCAGAACTCA CATCTCTTTC CTCCCCCTCT  
192181 CCTTGCACAT TCCCTTTATG GAGTAATTGC AGGGATGGGA AAAGTTCAAA ACCACCACTG  
192241 AGCCTAGGAA GTGCTAGGGT AAAGTGGAGA ATGAACCTGC GTGATTTGCT CATCTTAAAC  
192301 TAGGTTCTTC TAGGAGAGCC CTTCCCCATA AAATCTGCCC TCCTCGAAGG GGCCAGACA  
192361 GCCTAAGCTC ACCTCCCAA GACCCCTTAC TTGCTGACTG AATCTGATTC CACCCAGACA  
192421 TGGCCTAAAA CCCTTCCATA ACTCTATAGC CAAATTCAT TTTAGACAGG CCTCATACCA  
192481 ACCTTTCTTC CTCTAAGTCT GCCACCCTAG GCAATTCCTA ACATTCCTTA CACACTTTGG  
192541 GGCCATAGAC GTGCTACCAA GTCTCCAGAC CTAGACCTGA TGGAGCAGTG CTGTAATGAG  
192601 ACGACCACTG GCCTTTGAAC CAGACCCTTC TCTGTGGCTC CTATGCATCT CCAACCTGTT  
192661 TTGAGCACTG CTGCCAAGAC ATCTTTGGCA CTTTGTGTGT AAGTTTTTAA ACTGAACTAA  
192721 TCTACAAAAC ACCTAACCTT TAAAAATTCA TTGTCAATTC ATATCATGAA AGATAAAGAA  
192781 AGGCCAGGAA ACTGTTCCAG GTTAATAGAG ACTAAAGAGA TAGCAACCAA ATGCAATTTG  
192841 TGATCCTGGA TTGAGGGGAA AAAGTGTGTG CAGAGACATG ATTGGGACAG CTGGTAAAT  
192901 TTGAATTTGA ATTTAAAGAT AAAGTATTGA GTAATATAGG AAGATGATTA CTGCAACTT  
192961 TCAAATGTTT CAGTAAGTAT ATATATATAT AAAGAGATAT AAAGACATAT AAATAAATGG  
193021 ATAGGTAGAG AAAAAGCAAA TGTATAATAT TAACAATCTA GGTAAAAAGT ATATGAGTGT  
193081 TCTTTGTACT GTTTTCTCTGA TTTTCTCTATA TGTTTGAAAT CATTTTAAAA TAAGAAGGTT  
193141 TTTGGGTTTT TTTTGTGTGT TTTTGTGTGT TAGAGACAGC ATCTTATTCT GTCACCAGGC  
193201 TGTAGCTCAG TGGCCCAATC ATTGCTCACT GCAGCCTCAA CTTCTGGGC TCCAGTAATT  
193261 CCCCCTACCT CAGGCTCATG AGTAGCTGGT ACTTCAGGTG TGCACCACTG CACTCAGCTA  
193321 ATTTTTATTT TTTAAATTTT GTAGAGATG GCATGTTGCT ATGTCACCCA GGCTAGTCTC  
193381 AAACCTCTGC CCCCAGTGA TCCTCCCACT TTGGCCTCCC AAAGTGCTAG AATTATAGGC  
193441 ATGAGCCACT GCACCCAGCC CCAAATAAAA AAGTATTTTA TTTTAATTAA CTAATTAAC  
193501 TTGAGTCAGA GTTTCACCC TGTACCCAG GCTGGAGTGC AATGGCATGA TGTGGCTCA  
193561 CTGCAAACTC TGCCCTCCTGT GTTTAAGCGA TTCTCTTGCC TCAGACTCCT GAGTAGCTGA  
193621 GATTACAGGT GCCTGCCACC ATGCCAGCT AATTTTTATA TTTTATAGTAG AGACGGGGTT  
193681 TCAGCATGTT GGTCAAGCTT GTCTCAAACT CCTGACCTCA GGTGATCCAC CCACCTCCGC  
193741 CTCCGAAAGT GTTGATGAG CACCACCCC GGTCTAAAAA GTATTTTAAA ACCACAGTCC  
193801 CACTCTACCT TGTCTTACAC TACCAGGGG TAGGATCACC CCATGTCTTC TAGGTATGTA  
193861 GATAGAGGAA TCCAAGGAAG AAGATAAGCT ACTTGGTTCC TCTATAGGGT CTGTGTGTG  
193921 CTCTCATGTG CTCTCTCTCT CTCTCTCTCT CTCACACACA CACACACACA CACACACACA  
193981 CACATGAATA CCAGAGCTAT CACTTTCCCA GTCTAGTACT CATCTCATCC CAAGGGTTTT  
194041 GTGTTGTAGT GGTGTGCTCA TTTCTTTGTT TTGTTTGTGT GCTTGATTA TTCTTTTCT  
194101 CTTTTTGCAG CTGAAGGGAG AATTTCAGG CCAGCCCTTT GGCCATTAGA GTTACAGTGC  
194161 CTCTATTCTG GCTTCATAGA GAGACCTGGG ATTCAGTAGT GGGGGGCTTT TATCCAGTTC  
194221 AAAATAATGC ATTCTACCA AGATGTACTT TGAAATAAAA CAATACTAAA ACACAAAATT

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194281 TTATTTATGC TGAACATTGA ATCACTTTTT TCTGTATTTT GTGTAGAAAG TTATACACAC  
194341 ACAAACACAT TTGCTCCTGC TTTGTTTATT GGCCAGGGG TATGTTTGGT AATACTTCAT  
194401 CAGGCATGAG TAGTACGTCT TGGAAGGTGT GGTCTAAAGC CTAGACTCCT ATCTGCTTCC  
194461 TTCAGCATTC TCCAGTGTAT CTGTCATCTG TCTACCTTAG GATAGGGGTC TCCAGAACTT  
194521 CCATTTCACAT TTAGAAGAGG GCAGCGGCTT TCTATGGAAA ATATGAACTC TCATTTCATCT  
194581 CTATTCCTTC TTCTAGCTAT GGTCCAGCTC AGCTGTTTGG AATAAAGTAT CTATATGAAG  
194641 TCTGCGAATG GTTCTCAGAC TGGTTGAACA TTAGAATCAC CTGAGTACCT TCTAAAATTC  
194701 TTATTACCCA GGGCATATCT CAGAATGAGT ACCGCAGGGT AGGGATAGGA TTAGGGATCA  
194761 TGATCTCTGG AGTCTGGTTT AGGCACTAGT GCTGTTTAAA ACTACGTTCA TGAGGTGGAG  
194821 GTTGCACTGA GCCGAGATGG CGCCACTGCA CTCCAACCTG GGCGACAGAG TGAGAGTCTG  
194881 TCTCAACAAA ACAAACAAA AAAAACCAAC TACCCTTGTG ATTTGAATGT CCATCCAAAA  
194941 TTGAGAACCA TTAGGTAAGG CCAAGCTGTA TAATTAAAGA GCAGTTTTCA TTTGTCTGGT  
195001 GTGGTGGCAG CTTTTTGATA AGGGAAGTAT TGTGTCATC CACATACCTG AGCCTCACTC  
195061 CTGAGAACAC TGGTGTGTAT GTTGCTAAAA TTCCCAGGT GATTCTGAGG TTCCTTCCTG  
195121 GATAAAAAACC ACTGACCCTG GGAATGTACC CACTGCCAAT CTCCTGCGTA AACCTTGGAT  
195181 ACTGGGAAGC CTACAGTTGA AAATATTGGG CTTGAGATCC TGAAACAAAT CTTGTATTTC  
195241 ATTAAGACTA ATATTTGGTA CAGTGCAGCA AATCAAGGGA ATTTTGGTGG CTGAGTTCTT  
195301 TTAGAATTTT TGCATTGAAA TAGGTTCAAG CAGCAATAAG TTAAGACTAC AACCTCAGCT  
195361 AAAGGATTAA AAGACACGTG AGCTGGGTAG GATGAGGTCT AAGGTGGGT GTGGCGGCTC  
195421 ATACCTGTAA TCCCAGCACT TTGGGAGACT GAGGTGGGTG GATCACTTGA GGTGAGGAGT  
195481 TCAAAACCAG CCTGGCCAAC ATGGTGAAAA CCCATCTCTA CTAAGAATAC AAAAAATTA  
195541 GCTGGGCGAG GTGCCAGGCA CCTGTAATCC CAGCTACTGG GGAGGCTGAG GGAGGACAAT  
195601 CACTTGAACT CAGGAGGCAG AGGTTGTAGT GAGCTGAGAT CGCACCCTG CACTCCAGCC  
195661 TGGGTGACAG AGCAAGACTC CATTTAAAAA AAAAATAATA ATAATAACAA TAATAATAAT  
195721 TCAGACATAT CCAGGCATCA AACAGATACC TGGGGCAGAT GAATAGTCTT GAGATTCAAG  
195781 TCACACATGA AATTTAGGTG GAAAATGACA TTGGAGAAAT TTGAGATTAT GATGAATGGA  
195841 AATTTTCAA AGAGGAATTT CAGGCTCTGT TCTTGAGGGG ATAGATGGAC TTCCAACAGC  
195901 AATAACACAG GATTAATGAG GACTTGGGAT GTTACATAAA TTAGAGATGT TAGATGGATA  
195961 AAGAGATAAA AGTACTCTCT CTAAGAACAT GGGACCAGAG ATAGGCTCAC TTCTAACCAT  
196021 CAGATATAAC TAGCAGACTA AACGGTCTAA AAATAAAAA CATGCCCCAC TCCTGCTTAA  
196081 GACATTTTAA TTACTCTCAG TAACTCTTCA GTTTTCTTAC TGTGTTATCT TTAAGTACAG  
196141 GGTTGGTCTG GGTGTGCAAC ACAAGAAAGC CTGGCATATA CATGGATTCA AGTATTATGCC  
196201 ATGTGCAGGT ATTCTTTCAT GTACTATTTT ATGTATTCTT TTTCACATCT GTTTTTTTCCT  
196261 TCATTGAAGT CAATGGCTGA TATTAGATTC TACTATTCAT GTGTACTAGT TATATATAAT  
196321 TGTTACAAAA CAAATTAGCA AAAACTTAGT GGCTTAAAGC AACACACATT TATTATTACC  
196381 TAAGGTCTGT GGATAGAAGT TCTGACATGG CTTAACTGGG TTCCCTGCTT CAAGCCTCAT  
196441 GTGGCTGCAA TCCAGGTGTT GGCTGAGTCT GAATTCTCAT CAGAGGCTTG ATTGTGGAAA  
196501 TTTCCACTTC CAAGCTCCCT CAGGTTTGTG GAAAAATTCA GTTCTTTGCA CCGGTAGAAG  
196561 CTTCTTGGTA GAGGCTGATT CAACTTCTAG AGGCTGTCTG CAGTTCCTGT CACCCAGGGT  
196621 GGAGTGCAGT GGAGCAATCA TAGCTCACTG CAGCCTTGAC CTCCCAGAA CAATCTGTTT  
196681 TCCCACCTCA GCATCCTGAG TAGCTGGGAC CACAAGTGTG TGCCATCACA CCTGCCTAAA  
196741 AAACAAACAA ACGAAAAAAA ACCCCCAGAG AACTTTGTAG AGACAAGCTG GTCTGGAACCT  
196801 CCTGCGCTCA AGCAATTCTC CTGCCTTAGC CTAAAAGTTC TGGGATTATA GGTATAAGCC  
196861 ACCATACCTG GCATATGGCA AGTCTTGAGC AGGACAAATA CAGATGATTT ATGCTGTCTT  
196921 TCCATGGTAT TCTAGGTTAT TGTTGAGATG GTCCTCTATT GTCTTGTTCC ATCTATTGAT  
196981 TAGATAAAAC GTTGTTCCTT CTGTTATTTT TCAACAGTAG CTTTTATGTG TCTCTCTTTA  
197041 TCTTAAATTT CTAACCAAAG AGCTGCTCTT TTCTTGGTGT ACTTTACCTT TGGTTGATCC  
197101 TTCTTAACCT CTTCTTGCCC TCTGGGGCCT AAGATGAGGG CTGTTATCAG ATGTGAGTCT  
197161 ATGGGAAAGC AAGCAAGAGG TTCTTCAGCC TCCGTTGAGC CTTAAATGTC TAGGTAGAAA  
197221 TCAGTCATGG CCCTTCCAAT GTGGTACAGA CCAGATCACA GAGACAGGGG TCTCAGCCAA  
197281 GGTCTTGTGG CCTAAGCCTT ATAGAAATAA TGAGTGTTTA CTTACTTGGA GAACTCCCTT  
197341 GGAATATCTT TTTTGTGAA CCTGAGGCAA CTTTGTGTA TTTCTTGATG TCTTGGGAAT  
197401 CTTGGTCTAG AGCCATTTCA ACCCGATTTT TTTTCATGTC AGTGGCATTT TGTGACCAGA  
197461 TAGTAAATAA GTTCTATGAT GTTCACTCAG AGAAATACAA TGACTTATGA TGCGAAGCTT

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197521 CTGTGGTTCA GCCCTTACTT CATCTTCATT CCCTCTTATC TGCATCTGTC TCCTGCTTGG  
197581 GAACAAAAGT CTGGCTTCAT TCTATGACCC CCACGTTGAG TTTCTTAGTA GCACTTACTT  
197641 TTCAATTAGG AGTGTCTCA CTTCTATCCG TCAGACATAA CTAGCCGACT AACAGTCTA  
197701 AATATAAAAA TCATGTCTTA CTCCTGCTGA AAACATTTTA ATTACTCCCC ATCATTTAAT  
197761 TTTTCTACT GGGTTATCTT TAACCTCAGA GTTGGTCTTG TGTGCAACAC AAGAAAACCT  
197821 GGCATATACA TGGATTCAAG TGTATGCCAC GTGCATGTAT TCCTTCATGT ACTATTTTAT  
197881 GTATTCTTTT TCACATCTGT TTTTCTCTCT AAAATTTATT TCCTTTTAAA AATGAAAATT  
197941 TTGCATTTGA CTAAATTTGT CAAATTTAGT CAAATTTGTT TAAAACCAT TTTAAAATGT  
198001 TTCCCGAAGT TTTGAGTGAA GTTAGTACTT CAGAAAAACT GTTTTGTATT TTTCTGTGA  
198061 CCTCAGTGCA CTGCTGTGCA TTTCCATTTT TGGCTCCACA CACATTTGTT TTGAGGAAAT  
198121 ATAGGAACGA CAAGATAAAG TTCAAGCTCC TGGACATTGC ATAAAAGACC GTCATGACCT  
198181 GGTCTGTGTT ACTTCCCTAG ATTTCCCGCT ATTTCCCTAAG TTGAGATTTT TGGTTTGGAT  
198241 GCTTTGTGTT TTTCTAAAAT TAAATAAGT TTTTGCCTTT TATGATTATA CAGTAAATAA  
198301 ATGCTATTTG TGTGAAACTT TAAACAATAC AAAAAAACC TAAGGAAGAA AGTCAGATTC  
198361 ATCTAAAAAT CCTTGTGGCC AGAATTAAC ACCTTAGTTA CTATTTTCTC TATCTCTCTC  
198421 TCTCAATGTA TATTTGGTGT AGGTATAGGG GTGTGTGTAG TGTGTGTGTA TGTATATATC  
198481 TGTTTCTATT CCTGTATGTG GATGTGCACA ACGCATCCTG CTTTGTACAC TACAGTACTA  
198541 GCATTTTTCT AATGTAATTC AATATTGTTG AAAACATTTT AAAAAAGCTT GTATATATAC  
198601 ACACACATAC ACATACATGC ATGTATGTAC ATATACACAT ACAGACAAAA ATGTATCCTA  
198661 TGTATATTCA CACATGTATA CACACTCACA CATACATAGA GTTTTACATC CATAGTTTAT  
198721 AAATGTTGCT TTTTTTTGGT CACCTTTTTG CTAAGTCTTA CACTTTTTTT TTTTTTTTTT  
198781 GAGACGGAGT TTTGTTGTCA TTGCCCGAGG TTAGTGCAGT AGCGCGATCT CACCTCACTG  
198841 CAACCTCGAC CTCCCGGGTT CAAGCGGTTT TCCTGCCTTA GCCTCCTGAG TAGCTGGTAC  
198901 TACAGGTGTG CGCCACCATG CCTGGCTAAT TTTTGTAGTT TTTTATAGA GACGAGTTT  
198961 CACCATGTTG GCCAAGCTGG TCTGGAAC TCAGACCTCAA GTGATCTGCC TGCTCAGAT  
199021 TCCCAAAGTT CTGGGATTAC AGATGTGAGC CACTGCACCC GGCCAAGTCT TACACATCTT  
199081 TTTTTTACCA CTAACTGTT TACCCAAACC TGATAACCCA AGTCAACAGC TATTATGGCT  
199141 CACACAATCT TATGTAAACA AAGATACAGA TATATAGAAT TTTCTTGATT AATATTCAGA  
199201 AAAAAATGGA GTCCCTTTAT ACGTCCTTAG TATCTGCTTT ACTCATTTAA AAATGTATTA  
199261 CATTATATGA AAGTATTCAG GTCAAATGTT ATAGATGTGA TTCATCTTTT TTAAGTGTG  
199321 TATTTTTCTG CAATGACTAT GTATCAGAAA GTACTCAGTC TTCCACTGAT GAAATTTGG  
199381 GCTATTTCCA GTTTGTCTTC CATTTTTCTT TCTTCTCTT GGATTTTCAC TCAATGTGT  
199441 TACTAATTTA GGAAGAATCA ATAGTTTTTA TGGTATTACT TCTCCCATC AAGAATATAG  
199501 CATATGGTAT AGTATAGTAG AGTACTTAGT TTAATTTAGC CAGATCCTGT TTTCTGCCCT  
199561 TTAATAAAAT TCTATCATTT TCTGCCTTTG AGTCACATTT TCCTTGTTCA TATAATTTCT  
199621 AAAAAATGTA TAGTTTTTCT TCTAAGGGAA CATAAAAACT TCTTTCCATT TCTATTCCTG  
199681 TCTAGTTAAT TCTACTATTG GGAAAAGTAA CTGTTAAAAA AAATTTCTAT CTTTCCAGTC  
199741 AGTTCACCAC ATTTCTCTTTA TACCTTTGTA CTTTAATCCC CAGTCATGTT GAACACTTCT  
199801 TATTCCTCAC ACCAAGCCTC AACGGGTTTG CTCTTTCTGG AAGGTGCTTC CCTGTATTA  
199861 CTGACTTATT CATACCACAC ATGGAGACTG GCGCAGCCCT GTTCTGCCTG GGAAGCCTTC  
199921 CCCTGATACC CCCAGTTGGC AGGAGTCTTC ATTTGTTCTT TTCTAGTAC CTGTGCAAGT  
199981 TTGTATTGTT CATGTTTATC ATCCTTCATT CTAGTTGTCT GTCTCTGTGT GTGGTCTCAT  
200041 TCAGTGGACT CTGAACCTT ATGAAGTCAT GTCATGGGTC AGATCTTAAT AAATTAATAT  
200101 TGTCGGAAGC TAATGTCATG TCTAGAATAC AGAAAAATTA TCAAAAAAAA ATATAGTATG  
200161 TTGGCTGGGC GCAGTGGATC AAGCCCGTAA TCCAGCACT TGGGGAGGCC GAGGCAGGAG  
200221 GATCACATGA GGTGAGAAAT TCAAGACCAG CCTGGCCAAA ATGGTGAAAC CTCATCTCTA  
200281 CTAAAAATAC AAAAAAGTAG CAGGCGTGGT GGTGCCACC TGTAATCCCA GCTACTCAGG  
200341 AGGCTGAAGC GGGAGGATCA CTTGAACCTG GGAGGCAGAG ATTGCAATGA GCTGAGATCA  
200401 TGCCACTGCA CTCCAGCCTG GGCGACAGTG AGACTCCATC TCAAAATAAT AATAATAATA  
200461 ATAATAATAA TAATAATAAT AATTGTATGG AATTGAACTG CTCTGATTGG AAATAGCTGT  
200521 TTTTTAAAAA ATTATTATTT TTAAAGTTCC TGGGTACAAG TACAGGATGT GCAGGTTTGT  
200581 TACATAGGTA AACGTGTGCC ATGGTGATTT GCTGCACCTA TCAACCCATC ACCTAGGTAT  
200641 TAAGTACAGC ATGCATTAGC TCTTTTACCT AATGTTCTCC CACACCCCA CCCCATCCTC  
200701 CCCCACAGG CCCAGTGAG TGTGTGTTCC CTCCCTGTGT CCACATGTTT TCATTGTTCA

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200761 GCTCCCACTC ATAAGTGAGA ACATGAGGTG TTTGGTTTTTC TGTTCCCTGCC TTAGCTGTTA  
200821 ATGTCAGGCC AGAGAGGCTT AAATTTTTTAA GGATCTCTGG ACTTTTCTTC TACATTACTC  
200881 TTGATGTTTA TAAATGTTAC AACTTCTTTA ATTTTCATTTA ATGTATACCT TATTGAGTTG  
200941 ATTTAACTGA GTTAACTTTG TTATATGAAA ATCATGATTG GGAGTGAGGG GGTAAACCA  
201001 GCTACAGAGA TCTTGATTGT TGGTGGTGAA GCAATGCAAG AATTCATTCA TTCAGTAAAC  
201061 TAATGTTTAT TAAGCGTGTA CTGTCTTAGT CTGTTTCAGAC TGCTGTAACA AAATATCATA  
201121 AACTGGGTGA CTTATAAACA ACAAAAAATT TATTTCTTAC AGTTCTGGAG GTGGGAAGTC  
201181 TAAGATTAAG GCCCTGGCAA ATTTAGTGTC TGGTGAGGAC AGGTAGCCAT CTTTTTGCTG  
201241 AGTCCTAACA TGGCAGAAGG GTTGAATAAA CTTCTTTGGG TTTCTTTTAT AAGGACACTA  
201301 ATCCTAGTGA TGAGGTTTCT GCCCTCATGG TATAACTACT GCCCAAAGAC CCCTCCTTCT  
201361 AATATTATCA CTTTGTTGGT TAGGATTTCA ACATGAGTTT TGAGAGGATA CAGACATTTG  
201421 GATCATAGCA CACACCATAG GACAGACACT GTGCCAAGAA TTGTGGATAT AGTGATTCTC  
201481 AAAATGAACA AGATCCCCCTC AGAGAGCTTG CAAAATCCAG CTATAAAATT ATGCTTTTTTA  
201541 AACAAATTAT GCAGTTTGAA AAATCTACTC TGAATCTTAC TTGTGGCATT GAATCATTTT  
201601 GGCCACTCTT TCCTTATTAT ATTAAATATT TACTCTTGTT TGGGGGATCC AGTCTCACCT  
201661 ACTTTTTCTA CCAGAACTGG TATCAGCTCA TGCTCTGCCT TATGCAAATT AAGAAAATAT  
201721 CATACCTTTT GGGTAAATTA AGCCAAGAAA GTTCTCCTTT CTTCTCTTTC TCTCTTTCTT  
201781 TCTTTCTCTC TTTCTCTTTC TTTCTTTCTC TCTCTCTCTT TCTTTCTTTC TTTCTTTCTT  
201841 TCTTTCTTTC TTTCTTTCTT TTTCTTTCTG ACAGGGTCTT GCTCTATTGC CTAGGCTGGA  
201901 GTGCAGTGGT GCAATCTCAG CTCACTGCAG CCTTGAAGTC CAGGGCTCAA GCAATCCTCC  
201961 TGAGTAGCTG GGACTATAGG CATGTGCCAC AACATCAAGC TAATTTTTTG ATTTTTTTTGT  
202021 GGAGACGGGA TCTCCCTATG TTGCTAAGGC TGGTCTTGGA TTCTTGGGCT TATGCGATTC  
202081 TCCTGCCTCA GCCTCCCAA GTCTGGGAT TACAGGCATG AGCCACTGCC CCTGGCCATT  
202141 ATAACATTTT TCATTGGCTT ATCAGGCACA TGATAACTAT AATAAATCAA TAACCAGAAT  
202201 TTTTAAATAA AGAAAGGAAG GAATTGTTTC AACTCTTCCT GCTACCCCTC TATCCCTCAA  
202261 AAGGGTAGGC TGAATGTTGT CCTCCAAAGA TATCCATGTC CTAATCCCCA GAACCTGTAA  
202321 ATATATTACC TTATATGACA AAAGGGACTT TACATGTTTA ATAAGTTAAG AATTTTGAGA  
202381 TGGGCAGATT TTCCTGAATT TTGCAGATGG GCCCTAGTGT AATCACAAGG GTCCTTATAA  
202441 GAGACAGGCA GAAGAGTCAG AATAAGAGAA AAATACTTCA AGATGTTACA CTGCTGGCTT  
202501 TAAGGTGGAG GAAAGGCCAA GAGCCAAAAA ATGCAGTGGT CACTACAAGC TGAAAAGAAA  
202561 AAGAAATGGA TTTTCCCTTA AAGCCTCTGG AGGGGGCACA ACCTTGCCAA TACCTTGATT  
202621 TTGGCTCAGT GAAACCCATT TTGGACTTCT GACCTTTAGA ATTGTAAATA AATAAATAAT  
202681 TTTGTGTTGT TTCAAGCCAT CACAGTTGTG GTAATTTACT ACAACAGCAA TAAAAATAGAA  
202741 TTAAATACAG AGATCTGAGG AGTTGAGTAG GATAAGCCTA CTCCAGCAGG TTATTTTCGGG  
202801 AGTATGGTGA GACTCACTAG GATGGCGGAA CTCAATTAAG GAAGTCTGAA GCTGATAAGC  
202861 CAGAGAGGGA AGGCTCTCAT TTCATTTTAT AAGGGTTGCG TCACACTAGG AAGATCCAAT  
202921 AGCAACCACA GTCTCAAAAT TAATGATTAC AAATAGGACA CAATTCCAAG AGTCGGGAGC  
202981 CAAGCAGAAA ATGGATTAGG GAAGACATGG ATGATATGAA ACAGGAAGGA GGGGTACAAG  
203041 GCAGCTTCCT GGGAAGTTGC CAGGGCAGTC ACAGTTCACA TTCATTAGGC TGTGGGCACC  
203101 AAATGCATAT GGAAAATCTA GCTGACTTAA CTGAACTCCT GAAGAGGAAT GAACACCTCA  
203161 TTTATTGAGG AGCTACTACC AATTAGAATA TGTATTTTCA TTGTTCAATA ACCCATGAG  
203221 TACAGTAACA CAATCCTTGC TTTACTAAAG CGGAAGCCAA TTCAAAGAGG TTCAGTGACT  
203281 TGTCCAAGCT CAGGGAAAAC ACTAGGAAGT GAATATGGGT CTGACTCCAT CACTGATTTT  
203341 AGGAGCCCTG CCCTTTCTCT CACACCATGC CCCCTTGCTT TCAGAAAAAA AGGCTTGTG  
203401 ACTGAATGGT TGTATGCACA GTTCAAAGCA GAAACACACG ATGACATCTT TTGAGATACT  
203461 CTAACAGTGA GAACTTGAAA ATGAAGTTAA AAATTAAGCG GCAAAACCAA GCCGAGGCTT  
203521 TCTGAGAAAG TGGGGCCAAA CCTGTTGCCG TCTGACTGCC ACGTGGCTCA CTATTTATCC  
203581 CTGTAAAAAT CTGCAAAAGT ATTTGAAAGG GAAGAAGGGA CAGAAAACCT CCTCCTTTT  
203641 CAAGTTAGCC TTATAGTCTA GGGCTTAAAA TACTGGTTTA ATGGTGAAGG TAAGTGCTTT  
203701 TCTTCTTTTT GGGTAGAAGG ATTATTACTA ACTTACCAA GGTCCATTAA GGGGAGGGA  
203761 CAGTTTTTAG AGAAGTCAGA GAAAAGACAT TAACAGCAAC ATAAGGATCT CCATCTGGTA  
203821 ATATTGCCTA ATTCCAAAAT GAAGAGACTC TCTGAAAAAG ATAAGTGAAT CAATGAAGAC  
203881 CCTAGGGCAA GGCTTGAGAA GCCACTGGTA CCAATGGACA CTGTGGACAA TGGTCATTTT  
203941 TCCAAGGACG CTGTGAGTAT TAACTGTGAT GCTGTGATTA GTCAGACTGG GATTGGCTGT

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204001 GGAATGAAAT ACTGATCAGA ACTGACAAGA TTTGTGTTTG GGAAGTGGG TAACGAGTCT  
204061 TTTTCAGACTT CTATATGAAT TTGAAATGGT CTCTCAGGAA AAGGAGAACA TGGCCGGGCC  
204121 TGGTGGCTCA CGCCTGTAAT CCCAGCACTT TGGCAGGCTG AGGCGGGCAG ATCACTTGAG  
204181 GTCAGGAGTT TGAGACCAGC CTGGCCAACA TGGTGAAACC CTGTCTCCAC TAAAAATACA  
204241 AAAATTAGCA GGGCGTAGCG GCGCGTGCAC CTATGCGCAT GCATAGTGCG CGTGCCAGCT  
204301 ATTCAGAAGG CTGAGGCAGG AGAATTGCTT GAACCCAGGA CGTAGAGGTT GCAGTAGTTG  
204361 AGATCATACC ACTGCACTCC AGCCTAGGTG ACAGAGTAAG ACTCTGTCTC AAAAAAATAA  
204421 TAATAATAAA AGAAAAGGAG AACATGACCA AAGTTATGAA TAAGACTGAA GGCAAGAAAA  
204481 TTGTACGCTT GTAGAGATCA CCTAGCTTGT TGCCCTCATT GTACAGCTAA GAAAAGGCAC  
204541 CCAGGGACAT TGTGGTCAGC ACCAATTTCT CAGAAAGATA GGCAGATGAT GAGAGGGCCC  
204601 TCAGTTTTC TAACACTGAA GGAATTGCTT CTATGTTTTT TGGTGAATC CTCCCCACTC  
204661 ATCTTGAGGA TTCCAGGCCA GAAGAATCCA CTTTAAAAAA GAAACATTTA AAACCAATTT  
204721 AACAACCAAT CAAAGGCACT TTTATAGAAA TACATTTTCA TTGCTGTAGG CCTGTATTTA  
204781 TGGATCTGAG AGGGCTAGAC TGCCAATATT GTGACTGTTT ATTATTATTG CTGTTGCTAG  
204841 TATCTAGAAT ATTATACAAC ATATAACACT TTGCAATTTA CGAGGCATGT CTCATACTTT  
204901 TGTTTTTCACT CCAAAGTGCC CAGTGAAGTA ACATTATCCC AATTCTTCCT ATGAAACAGT  
204961 GAAAGCCCTA AGAGTTTTTG AAACTTTACC TGGTTTACTC AATTGGGAA TGGCAGAGCA  
205021 GAATTCAGTC CTTGAATATC CTCCCACTGC AGGTTTCATG TCTTTGATCT AGGTGTAACA  
205081 TTTACTCTGA GTAAACTAGG ACTCTGGGCT AACAGAGATG AAGCAAGACA GGCTGGATAT  
205141 TAGGAGAATC TAAGAGCAAT CTAACGACCA TTATAATAAA ATCATGAGTT CTAGACTTAA  
205201 AAAAAGGGAA AAACCTGTTT TTTTGCCTTAT GCGTATACCA TAATATTTAC ATTATTTATT  
205261 TTTTTCTCAA ATTCAACCTA TACTGTGTCA AGTAATTTTT TTTAATATAA CATTTTCCTT  
205321 TAACCTAATT TCAATTCATT TTTCTGTGTC TACTTACAAC TTTGGCACTA GAATTCACAA  
205381 TTTTTTTTTTA GAGGTATATC TCCTTAAAGG GAAGGGTTCT GACACTGTTA CATGTTCTCA  
205441 ATTGTTTGCA AATAGGTTAA TAATTATTTT AGTGTCTCTA AGTACATATC AACCATGCCA  
205501 GTGTTTCAGCC TCCATAATTT TATTAGCTTC TGTGCTTATT TTGGAAAAAC ATTTCCCATT  
205561 ACCATGAAAG ACCTCAGTTT AGGATGGTTT GGTATGTTAG CCTGATTTCT GCATTCTGCT  
205621 CATGCAAAGG AAAATAGGAA ACGAAGAACT GAAATTACCT ATTGATACAA AATCAAAGTA  
205681 GCATTTGAAA CCATAAAACT TAAGTAGGGT TTTTCATCCT TTCTCGTTAG ACAGCAACAG  
205741 AGAATGGGAA GAAAAACTAA AGTGATGGGT TTGTGATACA ATTCCAGTAA CATAAAGAGC  
205801 AAGGAGAAGT AGTTTTGTTG TGTTTATGTT TAATATTCAA AGCTCAACCT AAAAGTATT  
205861 TTCATTATCA AACTTCCTTC TAGAATAAAT GATTAAAACT TGATTAAAAA TATACAAATT  
205921 CTCCTTTATA ATACCTCAAA ATGGAGCTAC CCCATTGAGT TTTAAGCTTG TGATAAAAAT  
205981 ATTACGAAAA CAAAGGGGAA GTTGTAAATAG GTAGAACAAG CAGTAGTCTA GGCATTAGGG  
206041 GATCTGGTGC TGGCTCTGTG CATCATGTGG TTTTCAGGCA CTTTTCAAAT TTTCTACGCA  
206101 AATTTTCTTA TCAATAAAAT AAACAGTTGG GCCAGAGGAT CTCTGAGTCT CTTTCAGCTT  
206161 TCAGTGTTTA TAAGATTGGA GAAGTTGGTG GGAAAGCTTT AAGTGGAGTG TAAGTAATTG  
206221 CAGCTGCATG TACAGTTAAA GAGTTGCCTT CAGCCAAGCC ACGGGATCTT GCATAAAAAG  
206281 TGAAATCAAA TAGAAAATGG TCCAAACTCT GGGTTTGACC ACAGATGACT TCAGCTAGGA  
206341 TCTGAGTGTA GAGCAATGAG CTGAACTCCT GATATCCAGA TGTTAGCAAG ACTTGGAGGC  
206401 CTTCTAAGGC AGAGCAACAA CCAGTATCTG TCCTGGTGCT GACCTGATCT TACTAGCAAT  
206461 TGGGCCCTCCA TTTGGGTCCA TTGTACAAAA CAACAACAAC AACAACAATA AAATCTCCAA  
206521 ACACCCAAAA TTCAAAATTT AGATGGAGAG ATACTATTCC CAGAATTCTA GAGATATTTG  
206581 GAAAGCAGAA AACTATACTT GCCATGCTGA TGAAGTCCAA TTATTGCTCT TTTAAATACA  
206641 TTTAGCTACT TCTGAATATA AAATGAGTAT CTACTAATTA TTTACAAAAA CACTTGGTAA  
206701 ATATAGAAAG TCACAAAGAA TGAAGTGATC ATCCTGTTTT GTAACCCAGA AATAGTCATT  
206761 ACTGGCACTT GTGTGAATCA GTTTCTATTC CTGTATGTGG ATGTGCACAG CGTATCCTGC  
206821 TTTGTACACT AGAGTACTAG CATTTTCTTA ATGTAATTCA ATATTGTCA AAACATTTTA  
206881 AAATAGCTTC CATCACAATA ATCTATCAAA TTGACTTGCC AGACTCTCAT TATTAGTTA  
206941 ATTTATCTCT AACATTATGC AGTCATGAGT AATACTACAA AGGATATTTT TGGACACAAT  
207001 TTTTCATCTA TGCCTTTCTT TATAATCCTT CATCCTAAGG TCACAGATTA TGAATATCTT  
207061 TAAAGTACGG ACAAGTCTTT TAAATTTTGT GTGCAAAAAC AGTGCAAAAG CTTGAATGAT  
207121 AAAATAGAGG TTTGATATAT GTGTTTTTTT GTTGTGTTGT TTTGAGACGG ATTCTGCTC  
207181 TGTCCTCCAA GCTGTAGTGC AGTGGCACGA TCTTGGCTCA CTGCAACCTT TGCCTCTTGG

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207241 GTTCAAGCAA TTATCCTGCC TCAGCCTCCT TAGTAGCAGG GTCTACAGGC ATGTGCCACC
207301 ACACCCGGCT GTTTTTGTAT TTTTAGTAGA GATGGGGTTT CACCATGTTG GCCAGGATGA
207361 TCTCGAACAC CTGACCTCAA GTGATCCACC CACCTCAGTC TCCCAAAGTG CTGGGATTAC
207421 AGGTGTGAGC CACTGCACCC GGCCGATACA TGTGTTTTTA AAGTCACAGA AATTTTCAGAT
207481 GTCTTGAAGG ATTTTAAGCA ATTTAAAAAA TAAAGTCATA GAAGCTTCAA TTTAGGAATG
207541 AATGGAAAAT TGATGATATT CTTAGGATAT GGATTTTTTC TAAAAGAAAC AAATGTATGC
207601 ATCCCCAAAG ATAATTTGAT TAGTATACAA ATATTAAATT AAACATGTCC ATATTTAGAG
207661 CCATGAATTC TCTTTGCCTG TCACAATAGC TGGATTTATT CACAATTGTA GTAAATTAGTC
207721 CCTGTTTATT ATAATTTTCT AGGTGATATG AAGACTTTGT CAGTCCAAGC AAGTGTCCAC
207781 ATTGTGTGTA GCAAACATGA GAATAAACAT TTTAACTTTT TAAATGTAAT ACATATTAGT
207841 GTTATGTAAT GTCATCCTTC ATGTTCTGAAG GCACATGGAA CATTTGTTCTG GTGGTACAGA
207901 GGGGAGAGAA ACACCATCAG AATGAAAGGA AAGACCGCTC TGGAACCTTC CTCCTTAGCT
207961 CTTGAGCTTA GTTTAATTGT CCTGTCTTAT GGTCTGCTAC AAGCAATACC ACTCTTCACC
208021 TTCGCATGCT TCTCTGTGGT TTGATAAAGT ACATGCAATT TTTCATTAA TTTCTCCAGC
208081 TGCACATAAGA AAGGAGCCTT ATCTTTATTG AACAGATGAG GAAATGAATG ATTAGGAAT
208141 TTAAATGACT AGCTCTAGGT CACACAGCTG GAACCTTACAG CCAGATTTCC TTTTAACAAT
208201 CCTGTAACCA AAAGCATACC AGTAGTGCCC CATAAAATGT AAGTTATAGA GCTGTGTTGG
208261 GTCAAAACTT TTAATGATGC TAAGAGGAGG CAACATTAAC AAGGGGAAAT TATTTGTGTA
208321 TTATGTTTTG GATTATGTTT TCTCCATAGA TAAAAGACTG TCGTAGTAAA AGAGATTCAG
208381 GGCACAGGGA AACTCCACCA CAAAGCGTGG TACCATTTCC CACAGAAGCT AAATGGACGG
208441 GAAGCCTGCC ACCAGGAAAG GTAAAGCCAC TGCTCTTGTT TGCAGGCTAT GTTAATAAGC
208501 TGAAGCTTAT TCCGACACAT TTACACATCT CTGCATCACA CTGACCCTTC GTAAAGATAC
208561 TCCCAGTGTA ACATTGGAGC CAGCTCCAGC CCCTGATCCT GTTGCTTTTTT CCTTAGCCCC
208621 ATGAAATCAT CTGTGAGAAA TTAAGCCAAA TAAGCAATAA ATCCTGGGAT CTAGGGAGTG
208681 GAATAAGTTT TGGGAAAGTC TTTTTTTTTT TTTTTTTTGA CTGAGTCTTG CTCTGTCTCA
208741 CAGGCTGGAG TGCAGTGGTG CGATCTCGGC TCACTGCAAC CTCTGCCCTC CGGGTTCAAG
208801 TGATTCTCCT GCCTCAGCCT CCCGAGTAGC TTGGACTACA GGCACACACC ACCATGCCCCA
208861 GATGAATTTT TGTATTTTTT GTAGAGATGG AGTTTCGCCG TGTTAGCCAG GATGGTCTCG
208921 ATCTCCTGAC CTCGTGATCC ACCGGCCTCG GCCTCCCAA GTGCTGGGAT TACAGGCATG
208981 GGCCACCACG CCTGGGCCCG GAAAGTCAAT TTAAACCAAC CTATGTATGA ATCCCTACTA
209041 TAATATTCTC ACCAAGCGGC TGGCTCTTTC TCCTGAGCTT GGAAACCTCC AGTAAAATGG
209101 AAATAATTAT TTCCAGACC ACCACTCTTA TCTGTGAGCT TTTTGGCCA TTTTAAATTA
209161 TTTCTTCCAT TATATTTTTT TCTGTGTCTT CACAGGTTTT CTCTTCTTTT CACTTTAGTG
209221 CTTTTCTTCA AATAAGCAGG AAAAATCCAA TCTATCATGC ACATGGGAAC CCTTTCAATA
209281 TTGGTCTGTG GTTGTTCAT TTTATGGGGA TGCTTTTAAA GAAAAAATTT GTCTTTCAA
209341 TATATTGAAT ATCTTCCAGC ACCACATCAC CTGCAAGCTT TGTAATAATA GTTCTACATA
209401 TTAATTTTTT TTTTTTTTTT GAGATTGAGT CTCATTCTGT CACCCAGGCT GGAGTACAGT
209461 GACATGATCT TGGCTCATTG CAACCTCTGC CTCCTGGGTT CAAGTGATTC TCCTGACTCA
209521 GCCTCCCAG TAGCTGGGAT TACAGGCATG CATCACCATG CCTGGGTAAT TTTTGTATTT
209581 TTAGTAGAGA TGGGGTTTCA CCATGTTGAC CAGGCTGGTC TCAAACCTCT GACCTCAAGT
209641 GATCCACCTG CTTAGCCTC CCAAATGCT GGGACTACAG GCGTGAGCCA CTGCACCCCA
209701 CGTAGTTTTT TTTTTTTTTT AAGTTGAACA TATGTGAAGG CAGGACCTAG TGACACATAG
209761 CAATAACATT TCCAAGTAGA CATTACACTA GGAATTAGT CGAAGTGCTC ATTTAAAGTA
209821 CCATCTCTCA AATGTATTAA AAGAGAATCC TTGGATGTGC AATACCTTAA TTCAAAGGCA
209881 GCTCGTTATG TATAAACTCT CAAGCTTTGT GATAAACAAA TGTGCATAAC AGATGGGACT
209941 ATTCATTAC AGCCCAGGGA ATTTTATTGA CGCTGAGAA GGTATGTGAC TGGCTCTGCC
210001 ACTGTCATCC CCATTCATT CATTTTGGAG CAATATGACA TAAATGCCTT ACATGTGGGT
210061 TTTCTCTATT TATCATGTGT TTCTATCCC CTTGAAAGAT GGCCATATTT GCTTTACTTG
210121 GTTATAAGAT CCCATATTCG CTGTCTTGAA GCCAACCAAA TAATTTGACA AAGTGGGTTT
210181 GTAGTGCTGG CTATTTTGGT GAAAAAAGA CAATGAGACT TCATGTGTCA TCCAAAGTTC
210241 TATCAGATCG AGCTGTGAGA GAAAGGAAAA GAAAGGGGTC TCAGTCAGGA TGCTCACTAC
210301 ATACATCTGT GTTGTGTCT AGGTCCAGAT TTCTGTTTAT TACGCTATGG GCTGGCTCTT
210361 ATCATGCACT TCTCAAACCT CACCATGATA ACGCAGCGTG TGAGTCTGAG CATTGCGATC
210421 ATCGCCATGG TGAACACCAC TCAGCAGCAA GGTCTATCTA ATGCCTCCAC TGAGGGGCCCT

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210481	GTTGCAGATG	CCTTCAATAA	CTCCAGCATA	TCCATCAAGG	AATTTGATAC	CAAGGTAAGT
210541	ATGATGAAAA	ATAGGGCTCT	TTGTTGAGAG	AAAAAACTTT	GAAAGGAAGG	CATAGATCTT
210601	GATTCGTGG	AGTATGGAAG	TATACATTTT	CAATGACAAA	TTAAAACTGA	CTGGAACAT
210661	TTTTCTTTGA	GACATTGCTT	ACTTCAATAA	TAAAAATAAG	ATTTTCATTGA	GGTTATTATG
210721	ATTATAAGGT	GGGGGAACTG	TAGAGTTAAA	TGTGAAAAAT	TTAAAAATGG	AACAGTTTAT
210781	GTGATGTCTT	CAATGAAAAA	CTAGGTATTA	CCTGGGCACA	TTCTTATAGG	TTACTCAATC
210841	CTATTCAAGT	CTCTGCCTGT	TTTATTGTTT	CTGAGCAATT	TTATATCCCT	GTAAATTCTA
210901	TATAACCAAT	AGAAATGCAA	ACGATTCTTG	TCCATAGCTT	TGCAAATAAA	TTTTTGCCAAG
210961	AGAAAAATCA	GTTAAAACTT	TTCTCCACTC	ACCTCCCAGT	TGAATTAGCC	AATTTTGCTG
211021	TTTGTTTGTT	TGTTTGTTTT	TTGAGATAGA	GTCTTCCTCT	GTCATTCAAG	CTGGAGTGCA
211081	GTGGCATGAT	CTCAGCTCAC	TGCAGCCTCC	GCCTCCCAGG	TTCAAGAGAT	TTTCCTGTCT
211141	CGGCCTCCCA	AGTAGCTGGG	AGTAAGGGGG	CATGCCACCG	CGGCTGGCTA	ATTTTTGTAT
211201	TTTTAGTAGA	GACAGGGTTT	CACTAGGCTG	GTCTCGAACT	CCTGACCTCA	GGTGATCCAC
211261	CCGCCTCGGC	CTCCCAAAGT	GTTGGGATTA	CAGGTGTGAG	CCACTGTGCC	AGGCTCTGCT
211321	GTATATTTAA	AGTCTATTTT	AGCATTGCTT	CCTGCTTGTT	TTATGCGTGA	TTCTTTGAGT
211381	TTTCCTTTTG	ACCAAGTTTA	ACATCTTACT	TACTTCCTCC	ATTAATCAAT	GAGTTAAATA
211441	AAATCTTTGT	TGTATGTTTA	TTTACATTTT	ATATGAAAAA	CATGAATTTA	CCCAATTAAA
211501	AAAAATTATCC	TTTAAATTTT	CTGTACTGTT	ACATTTCCCA	TGTCACTCCCT	ATAATTCATG
211561	ATTAATGATT	TTATTACATT	GGACCTAGCT	TATTTTACAA	GAGTACATAA	ATTTATTGTC
211621	TCCAGTCTTT	CCTCCATTAT	CCCGTCTACA	TATCCACACT	GAGTAGATT	ACTTACTCAGG
211681	AATCTTGGAC	ACCTTCAAGT	TGCCAAAACAT	GCAGTGTTCA	CTGGACATGC	TGTGTTCCCT
211741	CAGAAATTTG	GCCTGCTTCT	CAGCACACTC	ACATCTGCTA	TCAATGACCC	ATGGAAAGTT
211801	TTTGCCCTGA	GCAAGCCAGA	GTCCCTGTTA	GTTTCTTTCCA	AATGCTACAA	GTTCACTTTT
211861	GCTATTTTTT	CCGATGAGAT	AAAATTTTCC	TTTTTTGACTT	TCTACAAATC	ATAGTCATTT
211921	TTCAAGGGAT	AGTTCAAGTA	TTGCTTCCTT	TCTGGGACCT	TCCCAAATTA	TTATTTTCTC
211981	CTCTCAAAGT	CTCTGTTTTA	TTTATGTTCA	TCCTCAAATC	TTGATTCTCA	CATGAATCAT
212041	ATACCTTGTA	TTATTTATAG	TTTTTTTGAG	TGGGTAAAAT	ATTTTCATATT	TTATATTCTT
212101	TGGCTCTCTA	CTTTATAGCA	TGATGCCAGA	TATTTAGGGG	CCTTATTGCA	TTTATTTTTT
212161	ATTTTATTTT	AAAACTTATT	TTATTTTTTTA	TTTATTTATT	TTAAAATCTA	TTTATTTTTA
212221	GGTAAATATT	CAGGTAATAT	AATTTATGTA	ATTATTTAGG	AATTTTAGGT	AGTTATTTTA
212281	AAATAATTCA	AATTATTTAT	TGAGTTATAT	CAGAAGAATG	TGATCTTATT	CATTTGTAAT
212341	ATGTGTTTTA	GGAACTCAGT	TCAGCCAGGG	CAGACCATGA	TTCCCAAAC	TGACTTTTCT
212401	TTTTAATTAG	GCACTGAGTT	TGGTTAAGAG	TTCAGTAAAG	TTTTGTGTGT	GTGTTTTTAA
212461	AAATCTTTTG	ATATAAGAGT	CAAGATGTTA	CTCAACTTTT	ACTAGAAGCA	AAATAGAGGA
212521	AGTGCTTTCA	CAGATGAAAT	ATCTCTCAAT	TTTTCTTTCC	ATTTCACTTCT	TCCTATTATT
212581	CATCTATATA	ATCATTTTCT	TTACCTCTTT	TCTTCATTTT	TTCTGTTTTT	GTCTCTTCT
212641	ACTAAGACAA	GCAAATTAGG	GGTATAATTG	GTTATTTGGG	AAGGTAGGAA	GAATATAGAG
212701	AGAAACAAAA	ATCAATATTT	TATACTAGGG	TCTCACTAAC	CTCAAGCAAC	TCTGACTGTA
212761	AAGTAGATTT	TCATAATAGG	ACTTCTTGAC	AAAGAGTTTT	CCTATTTTTT	CCCCAGGCCT
212821	CTGTGTATCA	ATGGAGCCCA	GAAACTCAGG	GTATCATCTT	TAGCTCCATC	AACATATGGGA
212881	TAATACTGAC	TCTGATCCCA	AGTGGATATT	TAGCAGGGAT	ATTTGGAGCA	AAAAAAATGC
212941	TTGGTGCTGG	TTTGCTGATC	TCTTCCCTTC	TCACCTCTT	TACACCACTG	GCTGCTGACT
213001	TCGGAGTGAT	TTTGGTCATC	ATGGTTCGGA	CAGTCCAGGG	CTTGGCCCAG	GTATCCAGAT
213061	ACTTTCTCAT	TCTTGGTGGG	ATCCAGATTT	CTGAATTCTA	CAAAATATCA	AAGGTCTTAA
213121	TGATTTTCAT	TTCAGGGAAT	GGCATGGACA	GGTCAGTTTA	CTATTTGGGC	AAAGTGGGCT
213181	CCTCCACTTG	AACGAAGCAA	GCTCACCACC	ATTGCAGGAT	CAGGTAAGTG	TGCACAGATG
213241	GGTCATAGCT	TTGTCATCTG	TTCCATCCCA	CTGTGTCTTA	TCTTCTATGA	ATCAAATGGT
213301	TTGGGGGAAGA	GAGAGAAAAA	GTAAGTCTGA	AAAATTCAAC	AATATAAGAC	ACTTGCATCA
213361	CAAAATAGGAA	AGATAGCATCT	GTGCAGTAAA	GACATTGAAG	CTTAGAAGTA	GAAAAAACCA
213421	TTGTGAGCTA	GGTTTTCAGT	CAGAAAAGCC	TTAGTAGTCA	GAAAAGCCTT	AGTAGTCAGA
213481	AAAGCCTTGT	CGGAAAAAGT	TTAAACCTTT	AAGAATTGCA	CACATGGAAA	AAGATCAAGT
213541	AAGCTATATA	TACACCATCT	TAGCAATGAT	TTTGAAGTGA	GAATTAAGGC	TACCACAGCT
213601	CCAGGTGGTA	AGGAGAGAAA	TCAGGCTGGA	AGAGTTTGAA	GTTCCTGTAT	TATTCATAAGC
213661	TCTTTACTAT	TCTATTATGA	GCTCATTAAT	TCTCACAACA	ACCCTCTCAT	ATAAGTACCC

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213721	TTTTAAATTC	TTATTTTACA	GAGAAGGGAG	TTAAGGAAGG	TGGAGATTAA	GAAAATTGCC
213781	CAAATACAAA	TAGCCAGCAG	GTGGTAGGTC	TGAGATTTAA	GCCCATGCAG	ATTTTAGCCC
213841	CAGAGCAGAC	ATTCTCAATC	ACTATGCTAG	ACTGCCTTTC	CATGGTATGT	GATCCTACTC
213901	AGGCTCTAC	AGCTTTATCA	TTGCTGTTCT	CCCCAGCCTG	TCGTGCTGAG	AGTATATACT
213961	CGAAGAGCAG	AACTAAAATT	CCATCCAGCT	TCTCACTCCT	AGGTCCACTA	CACAGCTGCA
214021	TCCTGCAGAC	TTTTACCTCA	AGCAACCCCT	CTGCGTTCTT	GCTTCCCTTC	ATCATAGTTG
214081	TAACCATCTC	CTCTATTTGC	AAATACTATC	TGCTGATCTC	TCTCTTCTAG	ACTGGTTTCT
214141	TTCAACCTTC	TTCCCACCAA	AACCAAGTTA	GCTTGCTAAA	ATAAAGATGG	CACATTTTAA
214201	CTCACCCGCT	TGAGAATTTT	CAATGTGTTT	CTTCATGCTT	ACAGAGTAAA	GCCTGACCTC
214261	TTTATTGCAT	GAATACAAAA	GTTCTTAGCC	ATCTGGCCCC	AACCTTGTTT	CACTCAACTC
214321	CCCTGTGCAA	GCATGGCTCC	AGTGGCAGTG	GACATTGGCT	GCTCTCCACA	TAGATCTGCA
214381	CTGCACTTCC	CTCTGGCTCT	GCTCCCGTTA	GTTTATATGC	CTGGAAAGTT	CTTTGCCCCT
214441	GTTCTTGTG	CCAAAATTCC	ATCTATCCTA	TTGCATAGCT	TATGTAAAAA	CTTCTTAAC
214501	CTTTTTTTTT	TTTTTTTTTT	TTTTTTTTTG	AGACGGTGTC	TCACTCTTTC	GCCCAGGCCG
214561	GACTGCAGTA	GCGCTATCTC	GGCTCACTGC	AAGCTCCGCC	TCCCGGGTTC	ACGCCATTTT
214621	CCTGCCTCAG	CCTCCCGAGT	AGCTGGGACT	ACAGGCGCCT	GCCACCATGA	CCGGCTAATT
214681	TTTTGTATTT	TTAGTAGAGA	CGGGGTTTCA	AGCCAGGATG	GTCTCAATCT	CCTGACCTCG
214741	TGATCCGCCC	GCCTCGGCCT	CCCAAAGTGC	TGGGATTACA	GGCGTGAGCC	ACCGCGCCCC
214801	GCCAAAACCT	CCTAAATCTT	ATAATTATTA	TCAATTTATC	CTCAGATATA	CTTCCACGTA
214861	CATTGTAGTT	TTATTATATT	TATATTTTAC	ATCTTTTTTT	TCAAATTTCA	GTTTGGGACC
214921	CATTAGTGAG	TCATAAAATC	CATTGAGCGG	GTTAAAATCA	TTATTTTAAA	AAATGAATAG
214981	AATAGAATAG	AAATTGTTGG	AGTGCATTGG	ACATGGTAAA	GTTAAATATC	GATTTCATGAA
215041	ACCATCGTTT	GAGGCATATG	TGTGTGGTTG	TATGTACAAG	TGTTTATGCA	TATTGGTGTG
215101	TGTGTTATGT	TACCCTGTAA	AATGCATTTT	TTACTATAGG	TCTCTGTGAA	ATATGTGTCT
215161	TGTTGTTTTT	TAATGTAGAC	TTCCAAAGCC	TACATGGCAT	TTCACTAGTG	ACAATCAATT
215221	TTATTCACAT	TTTTCTCTCC	AATTGGACCA	GAAGCTCTTT	GAGGGCAGGG	GCTGTATCTT
215281	ACCGATTTTT	GTAAGTCTTT	CATTTCCGTG	CCCTAGCCTC	ATATTAGATC	ATGCAAGAAAT
215341	GCAACTGTAA	TCACAAGAAA	ATGCTAATGG	GCTGTGATAG	CAGAGAGTTA	CTGTGACAAA
215401	CTAAGGGATT	TAGATTTGGT	CACATTGGTG	TTGAGGAGCC	ATTGAAGAAAT	CAGAGAGTGT
215461	GTTACTATTA	TTTGTTAATT	TTAATTATAT	CATATTACTT	TACTGGGGAA	AATCTGTGAG
215521	CTATTTTAGA	AATAAATACT	CTCATTTGCC	AATAATTCTA	AGTCTGCCAC	CTCACTGTTG
215581	GGACATTGTT	TAGGGAGGCC	ACGAAGTCTC	AGCCTTTGAT	ATTTTCATAA	GTGTTTTTCT
215641	CCCTTTTTCC	TTTAGGGTCA	GCATTTGGAT	CCTTCATCAT	CCTCTGTGTG	GGGGGACTAA
215701	TCTCACAGGC	CTTGAGCTGG	CCTTTTATCT	TCTACATCTT	TGGTGAGTCA	CTTCTCTTAA
215761	AATCCTAACG	CCTCCATTTT	CTGAGCATCC	ATTTTGGCAC	CTACACCACC	CACATTCTTC
215821	CTATATGAAA	GAAAATGTCC	TTTATCAAAT	GGAAGATGAT	AAAAAATGTC	AACGGTTGGT
215881	ATCATTTTTA	ATCTAGTCAC	ACAACCTGAT	TAACACCTTC	CTGGTGGTTC	TGGGAAGCCA
215941	CACGCACAAG	GTAGAGGAGT	TGACTATTCA	CATGGCACCC	ACCGACTTGT	GATGCAGTCT
216001	TGTCCTTCCA	TATCAAGCAC	CTTCTGCAGA	ATCTCTACCA	CCACATCTGA	AGTGCCTGCT
216061	ATATGCAGTT	AAGATGTCAA	AGATAGTGAA	GTACATTTTC	AATGTGTCTT	CATATTTTCAT
216121	TATAATTATT	ATTTCTGTCC	AAGATGCCCT	TCACCTGTTC	TCTACCAAGT	TAATCTTGCA
216181	AAGTTCAATT	CAAATGTTCC	CTTCCCCATG	GGCCCTTCCA	GGGCTTACCC	TATCAGATTC
216241	TGGCATTCTC	TCCTTTATGA	TATTTCCCTC	CTAGGTTATG	TTGGTGTGTA	ATTATTTATT
216301	TCTCCTTTTC	TTTCCACTAG	ACTGTGAAAT	GCTTGAGGCA	AGGAATCCAT	TCTATGTTTT
216361	CATCACTTGG	GTGTCATCAT	GGTGCCTGAT	TTTTAGCTTT	AAAAATAAAG	AATCAGTGAA
216421	TCCAGTAATT	AGAGGGGATT	TAAAGAAAAC	TAGTCCTCAG	AATCTTTTAA	CATAGAATGT
216481	TCTTCAAATA	AGGAATTCCA	ATAATAAGAC	AATTTTCTAC	ACTTGATTTT	GTTTTTATAG
216541	CCAAATGGTG	TCATTAAATA	TAGTCTGGC	CTGAATGGCT	TTCTCATTA	TGATGCTAAT
216601	TATTTTGGTT	TGTACATGTT	AACCAGGTAT	TGTACAAAAA	TATTTCTTTT	GGGAATCCAT
216661	AATGGATGTA	TGGCTTGAAT	ACAAATAATA	CTGTCTCTTG	TAAGTGCAAT	GGAAATTTTT
216721	CCCTGCCACA	TGATTTTCATG	GAAGGTTGTT	TCGTGTATGT	ATGACTGCAA	ACCTGACTAT
216781	TCAGATCTTC	CGCAACAAGA	CAACTTATGT	GTGCATTAAG	AAGTTGCTGC	CTAAAATACA
216841	TAACACTGTA	ATCATTGGAG	ACTTTAAAGT	AATTAATCAG	CTATGCAATG	CCACGCTCCT
216901	GTTATCTCCA	GAGGGCTCTG	ACATTGACAA	ATGGTGGCTT	TCTATTTGAG	ACGTAATATC

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216961 TAAAAAGCTT TAACAGGTTT GTAGAAGGAT TGAAAGAAAG AATGGGAACA TTTAGGTCCT  
217021 TATGGTAGAA TAAGCATTA TGTAGTAGTG TGTAGAAAGG AGAGGCATGC CACTTCAGAG  
217081 GAAACTTCCT TCCCCAGTA AACAAATCTA CCTAAAAACT AATTTTATCC CTTCTTCCCA  
217141 GGTAGCACTG GCTGTGTCTG CTGTCTCCTA TGGTTCACAG TGATTTATGA TGACCCCATG  
217201 CATCACCCGT GCATAAGTGT TAGGGAAAAG GAGCACATCC TGTCTCACT GGCTCAACAG  
217261 GTACAGTGCA CACCTTGTAC CTGTGGCCCA TGCAGAGGTC TCTAGGGCAG GGTGTGGATC  
217321 TCCTCTGAGA GGCACCATCT TGGCTGCTCT AATACTCATG CTGATTAGAT CTTTCTTTTC  
217381 AGCCCAGTTC TCCTGGACGA GCTGTCCCCA TAAAGGCGAT GGTCACATGC CTACCACTTT  
217441 GGGCCATTTT CCTGGGTTTT TTCAGCCATT TCTGGTTGTG CACCATCATC CTAACATACC  
217501 TACCAACGTA TATCAGTACT CTGCTCCATG TTAACATCAG AGATGTGAGT TTACTTCCTA  
217561 TACTTCTACG AAAATGATAA TGGTAATAAG GAGAAACAGT TCTGTGTTAC CTATTACATT  
217621 CTGGCTTTAC ATATAACCAT TAATTTAACC TTCACAATGA CCTTGAGAGA GGCATTGTGA  
217681 TAATTCCTTT TTCACAGATG TGGAAACAGG ACACCTAGAG GTGAGATAAC TTGCCCCAGG  
217741 TTGCACAATA CTAAGTGATA GAGCTGCTGC AGCATCCATA TTCTTAACCA CTAGGCATATA  
217801 CTACCACACC AGCTGATTCC AAAGCTTCTT TTAGAAATAA TATTGCTGGG CCAGGCATGG  
217861 TGGCTCATGC CTGTAATTCC AGCACTTTGG GAGGCCGAGG CAGGCAGATC ATGAGGTCAG  
217921 GAATGCAAGA CCAGCCTGAC CAATATGGTT TACTAAATAT CATCTACTAA AAATACAAAA  
217981 ATTAGCCAGG TGTGGTGGCA GGCACCTGTA ATCCCAGCTA TTCAGGAGGC TGAGACAGGA  
218041 GAATCGCTTG AACCCAGGAG GTGGAGGTTG CATTGAGCCA AGATCATGCC ACTGCACTCC  
218101 AGCCTGGGCG ACAGAGTAAG ACTCCGTTTC AAAAAACAAA AACCCAAGAA ATTAATATTG  
218161 CTTTTATCTG GAGCCCAGAG TGATGCAGCT TCTGGCCCTC TTATCTGAGA CAGTGTCTTT  
218221 TTAGTGTGAA AAAGGATGCT AATTTTCCCC CAAACAACCC ACAGTATCAT GGGGGTAAGT  
218281 TAATGGCTGG TCTGTGTAAC TGACAAATTT TGGTGCTAAC GTATCTCTAT AACTACTCTG  
218341 TATAAACTTC CTTCTTTCAG AGTGAGGTTT TGTCCCTCCCT GCCTTTTATT GCTGCTGCAA  
218401 GCTGTACAAT TTTAGGAGGT CAGCTGGCAG ATTTCCCTTTT GTCCAGGAAT CTTCTCAGAT  
218461 TGATCACTGT GCGAAAGCTC TTTTCATCTC TTGGTAAGGA TAAGCGTGTG GGCCCATTTA  
218521 ACCAATCCCT TTTCTGCACA TGGTCTCAGA GGGTTCCTTG ACAGCATGTC CTCATTGCCC  
218581 AGGGCTCCTC CTTCCATCAA TATGTGCTGT GGCCCTGCC TTTGTGGCCT CCAGTTACGT  
218641 GATAACCAAT ATTTTGCTGA TACTTATTCC TGGGACCAGT AACCTATGTG ACTCAGGGTT  
218701 TATCATCAAC ACCTTAGATA TCGCCCCCAG GTAAGAGCTC TACCTGTTTT TTCCCTCCT  
218761 CCAGACCCCT CCAGAGGTGT TAGACCTCAG TGGTCGCCGT GAAACTCTTT ATGTTTACTG  
218821 ACATTGCACT AATGGCAGAA TGACAAATAT CTACAAATAT CTGTCTGTGG CCATTTTTAG  
218881 AACACAAAT GTGGCATTTT TAGAACAACA ATTTCCAATC TTGGCCAGTA ATCATTTTGA  
218941 CAAAAACCTT CCCAAGCTTC CCTAACAGAG ATTGAACTGT GTATGCTGGG AAAAGGCCCA  
219001 CACACAGGTG ATTTGGAAAA GTTTCATGTT TGTGTTCAT ATTAGCTACC ATATATATAT  
219061 ATATATATAT ATATATATAT ATACAGTCAC AATAAGCCAG CTCCTGTGCC AAGACTTGCC  
219121 ATATATCAAC ACATCTAATC CTCACAGTTA TATTAGGTAG GCCCTATTGT TATCCCCATT  
219181 TTATAAGGGA GAAGGCTGAG GCACAAGGAG GTTAAATGGT GTGACTATGG TCACATAAAG  
219241 GCAGAGCCAG GATTTGGACT GGGGGAGTCT GGCTTTGGAG TCTGTGTCTT GCCCGTTGCA  
219301 CAACTGGCT TCTCCACTGA GCAGCCGGGG TAAAGAAACG TGGTTCCCAG AGAGACTGCA  
219361 TTGCTCCCTG GTTATTGACT TGGTAGATTG GTAATTTTCT GTTTGGCAAA TAGACATTGC  
219421 CCTGAATGTC TTTAGGTGAA TGAAAAACTG CATTAAGCAA AATGACTTTG CCATTAGAGC  
219481 TGAATTGCAT TAAAGTTGAG TTGCTGCAGA AGCTGTAGGT GGCTTTCTAT ATAAAAATCAT  
219541 TTATAAAATC ATCTTCCCAC AGATATGCAA GTTTCCTCAT GGGAACTCTA AGGGGATTTG  
219601 GGCTCATCGC AGGAATCATC TCTTCCACTG CCACTGGATT CCTCATCAGT CAGGTTGGGC  
219661 CAGTTTATTG AACATCTTCA AGTGGCAGGT ATTGTTTTAG GTGTTGGAGA TACACACGGT  
219721 GCTCTAAAGA TCTGGATGGC AACACAATTA CTCTATTTAC ATGAGCCTCT AAATCAGACT  
219781 CTGGTAGGTC AGATTTCCCA GAGGAAGAAA AATATAAGCT TATTTTCTCA AGATGAATAG  
219841 ATGTTAGATT GATTAAATG AGCTGTTCCG GTGCAGAAGA CAGCACGTGT GACTTCTAG  
219901 AGGTACATGA GCATGAAACA GTTCTTAGTT ATGACCAGAA TGAAAGACAC ATGTCAAGGA  
219961 ATAGCAAGAG ACGAAGACAG AGGGGCAAAA GAAGATCATG AAGAATATGT TCAGACTAAT  
220021 CCAATTTTTA AAAAATCACA AAAGGGAAAC AAAGTGTCTT AGGCCAGTTT AAAGATAATT  
220081 TAATGTCTGG AAACAGATCG GCTGTGAGAC ATTGCAAGGA GGCTTGCTCG GTGTTTGAA  
220141 ATGCAGGCTC ATGAGGAAGA TGAAAAGACA GACCCAGGCA GGGATGGAAG GACTGACGAG

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220201	AACCAACTTA	CAAAGAGAAG	TTTTGTTTTT	ACTACATTTT	TATGTGATCA	AGTTCCCAGG
220261	TTAATATTTG	ACTAAACTGC	TAGGAATCCA	CTGTGACTAT	AATGCTGGAA	ATGACTTAGT
220321	AGGGCTTTCT	GAGGAGGGTC	ACACAGAAGA	CCAAAGAGAA	CTCATGTTGA	ATTGAGATGG
220381	GTTGTAGTGA	TAGTTGTCAA	CAGCCAATAC	AGAAAACAAA	AAAAACAAA	CAAACAGCAA
220441	CAACAACAAC	AAAAAAAAAC	AGAGAAGACA	CAAAACAAAT	GCCACAATGC	CATTTTAGGC
220501	ATAATTTTAA	ATGAGTAATA	TTATATGTTG	AAATCCAAAT	TTTCAGAAAA	ACATTAGTGT
220561	ATTTTATTTT	TGTTTAAAGA	AATAACCATC	TCAACTCAGA	ACCCCATGTG	CATTTTGGCC
220621	ATTTTGTTC	CAATAGTTTC	ATAAACTTTC	TTAAGTAACT	ACTGCACATT	GTTCCCTATA
220681	TTCTTGTGA	TCAACATTGC	AATACACAAC	TGGGAGGGCT	ACTAGAAGTG	GTGTAGAAGG
220741	AACTTGTGAG	ATTGATCATT	TTCTCTGTTT	TTTACATCTA	GGATTTTGAG	TCTGGTTGGA
220801	GGAATGTCCT	TTTCCTGTCT	GCTGCAGTCA	ACATGTTTGG	CCTGGTCTTT	TACCTCACGT
220861	TTGGACAAGC	AGAACTTCAA	GACTGGGCCA	AAGAGAGGAC	CCTTACCCGC	CTCTGAGGAC
220921	ATAAAGTTAC	AAACTTAAAT	GTGGTACTGA	GCATGAACTT	TTTAAACATT	TTTTACTTCT
220981	CTCCATATTC	CTGACCATAG	ACTCAGCAGT	TCTTAACTCT	GGCTGTGTGT	TAGTCTTCCC
221041	TGGGGAGCCT	TTATAAGACA	CTGATACTTG	GGACCCACTC	CAGAGATTCT	GAATGAATTG
221101	GTCTGGGGTG	GAACCCAGAT	ACTACTAATT	TTTAGATACT	CCTTAGAGGT	TTCTAGCATG
221161	CGCCCGGGTG	TGACAACAGC	TGGACAAACT	TGAAAAAGTCA	ATTTCATGTG	CCTTTGAATT
221221	TTCTCATATG	GAAAGTACTA	AATAAAATAA	AATTCATGTG	AAAATGATCA	CTGATAAATA
221281	TCCTCATGGT	GGGGCAGGTT	ATTGGATGCA	GAGAAGATCT	GCTCGGAATT	GTAGCCATAT
221341	GTTACAGATC	TCAGCACCGA	TCGGAAGTGT	AAAGCTATAA	TCCCCAGAAT	TAAAGTTTTT
221401	ATTATTTTTT	ATACATTGTA	AAACATAGAC	GTTTATTTAT	GTGATTAAAT	TCTATTAAAA
221461	TTTACATGCT	AAAAATAAAT	AGACCATTTT	CAAATTATTT	AGATCCAGAT	ATTTCCATCA
221521	GATTAAACAG	ATATTTATTT	ATCCTAGCCC	AATTGCAAGA	GATTAATGAT	GAGAAAATGA
221581	CCAATACAAG	ATTAAATAAA	TGAGGTTAAC	TTAGAAATCA	AGGACAGAGA	AGATAGAAGT
221641	GGAAGGCTTG	TATTGTGAGA	AGAATGAATG	TGAAGGAAGG	CAATGTAGAC	ACTTCCAGAA
221701	GGGATAGCAA	TATAGTTTAG	ACCATATAAT	GAAAAATTGA	GAGAGATGAC	AGAGACACTT
221761	TCAAGTGAAG	TGACAATTTA	TATGGGGGAG	AAAAATATTG	AAGACATAAC	AAGATGAGAA
221821	AAGGCATAGA	AATGTATCAC	ATACAAGGCA	TAGAAGTGTA	TCACATACAA	GAGAAGTTCC
221881	TTTTGAGCGT	AGAAAAAGAT	AATTTAACCT	TCTTCATATT	TTTCTTACTT	TCCCAAGATA
221941	CTCAGATAGG	CAGCGTCAAC	TCTAACAGGA	ATTAATTTGG	CTCCTAACAC	TTAAGACATA
222001	TCCTTTAGTT	TGTCTCCTCA	CACAGAACTG	ATTCTGGTTT	TGCCACAACA	TGCTTAGAGA
222061	AGAAGTTCCC	ACCATATTTT	AAATCCTATT	AAAAAACTGC	TTGGACAAGA	ACCTTGGGTT
222121	AATTCAGCAG	ATGAAGAGAA	TCTCCTAATG	CAAATCAATG	GGTATTTTTG	AGCAAGTTTT
222181	TCAGAAAAAC	AGAGTGTGAG	GCCCTGAGGG	TGGTACTAAG	ATGAGAACAT	TGATTTTGCC
222241	TTTCATGATAT	TGACAACACA	AAGAGGAAAG	GGGGTTTGCA	GAAAACTAAA	AGAAGAAGTA
222301	GAAGAAAAAA	GAAAGACATA	GTATAATAGG	TAGTCAAATT	ATGTACAGAA	AAAAGAGAAA
222361	AAAAAAACAA	AAAAGGGTGG	GGGACAGACA	ACCCAATAA	AAAATGGGCC	AATGACTTGA
222421	ACAGGGACTT	CATAAAAGAG	AAAATGTAAG	TGGCTCCTTA	ACATATAAAA	AGATGTTCAA
222481	CTTCATTAGT	CATTACAGAA	ATGAAAATCA	AACTACAAT	GAAATACCAC	TATAAAATTA
222541	ACTAATGGAT	AAAATGAAAAG	GAGATGGAAA	ACAAAATGTT	GCCAGACATG	TGGAGCAACT
222601	GGAACTTTCA	TACGTTACGA	ATGTGAACTT	TGGAAAGCTG	CTCGGCAATA	TCTCCTAAAG
222661	CTAAATGTAC	AATTCCAGTG	ACTCAAACAT	TTTACTTAGA	AATGCACATA	TACATCCATA
222721	AAACATGTAC	AACAATGTTT	ATAGGAGCAC	TATCTGTAAT	AGCCTGAACA	GGAAGTTGTC
222781	TGTTAAAAAA	AGAATGAGTA	AATAAACAC	GGTCTATTTG	TATAGCAATG	AGAATTAACA
222841	GACCCCAATA	TATAATAGAT	GAATGGGTCT	CATAAGCACA	ATATTGATTA	AAGGAAGACA
222901	AAACGCACAT	TCTTTTAAAG	GTTTATAAAA	TACTTTTTTA	AAACAGCTAC	AACCAATCTG
222961	TCCTGTTAAA	AATCAGTGAG	CGATTTCCCT	TGTGCAGGGA	TGGGGTTTGT	GGCTGGATGG
223021	ATGGTACTTA	AGAAAGTCTC	CTGGGGTACT	AGAAATATTT	TATTTCTTGA	CTTGGATGTG
223081	TGTTTACTTT	GTGAATATTG	TACATTTATG	ATTTGTGCAC	GTTTATGAAT	GTAGAAAATA
223141	AAACAGAAAG	CAAATTCAAA	GTATCATCCT	TTTGAGAGCT	TCTGCTCTGA	CTTCGTTTTG
223201	ACCAATGGAG	CAGTTGGGAA	GGGGTCTTGG	TCCTTCGGTC	CTTTGCTTTT	TTTTTTTTTT
223261	TTTTTTTTTT	TAGACAGAGT	CTTACTCTGT	CGCCCGGGCT	GGAGTGCAGT	GGCTCGATCT
223321	TAGCTCACTG	AAAGCTTTGC	CTCCCGGGTT	CATGCCATTC	TCCTGCCTCA	GCCTCCCCAG
223381	TAGCTGGGAC	TACAGGCACC	TGCCACCATG	CCCGGCTAAT	TTTTTGTATT	TTTTAGTAGA

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223441 GACGGGGTTT CACCATGTTA GCCAGGATGG TCTCGATCTC CTGACCTCGT GATCCGCCCCA  
223501 CCTGAGCCTC CCAAAGTGCT GGGATTACAG GTGTGAGCCA CCGCGCCCCG CCCCTGGTCC  
223561 TCTGCTTTCA TGTTCTTCTT GGTCCTGTTC CTCCTCCTCT TTTGTTGGAA CTTCCAGTAT  
223621 CAGAGCAGGA AGGAAGGCAA TGGGTCAATC GATGCTGTCA GCTTTTGGAT CAAACTGCAA  
223681 GTTCTCAAAC AGCAAAATTA ATGAGCTCAG GCTTTGAAGA AACCATGACC CTGAAAGCAT  
223741 CAGTTGCTTC CAATTGCATC AGTTGCCACG GGTGATAAGA ACAATGATGA CTCAGAATGC  
223801 CTAGGTTTTTC CCAGCAGCTT CTCTGAGGTT TTTCCAGCAG CTCTCTGAT TGATTCTCGA  
223861 CAGATGACTT CGGTGTGTCA GACTTTCAGG GTATCTTTCC TTATGTGATG GTTTGAGGAA  
223921 GAGTTACCAT TCACATTCCCT AATGGCTTCA GAATAGATGC AATTGTGAAC TGATAGGAAA  
223981 CATTCTAAT TCATCTCCCC TCCCCATCCC TAAAGGATTG TTTCTAACAA TAGTCATGAA  
224041 AATTAATTCA CTTTTCTCAA ATAGTTTAT TGTACGACAG AATTTGATTC ACTAATAGTT TATTTAGGAC  
224101 TTTTCTCCTT GACTGTTAAA TATTATGAAT TATATTAATG TATTTCTTAA TGTTGAGCTT  
224161 TCCCTTGAAT ATTCTTTTGA TGTACGACAG AATTTGATTC ACTAATAGTT TATTTAGGAC  
224221 TTTGGCTGAT GTACTGATAT ATGAGATTGG CTCTGTATGC ATACATGTGT TTTGTGTATC  
224281 TTTTTTGTGT CTGGATATGG AGCTTATGCT GATTTCAAAA ACAAGAAAGG AGAAGTTTCC  
224341 TTTTTCCCCA TTACTCTGAA AAAGATTGAC TAGAATGGAA TTTTATAAAT TGCTGTGTGT  
224401 ATTTGAAAGC TTGAAAGCAT TGGTTTGTAA AAATCATGCA GGCTGAAAGC CATTTTGAGG  
224461 AGACTTTGAT AACTTTCTCA ATTTCTTCA GTTACTGGTC TTTTAAGGGG TTTTATATTT  
224521 TTCTTTGATC AATTTTGACC ATTTATGTTA TCTTGGAGGA TCATCTATTT TACACACTAT  
224581 TTAAAGTATA TTTGCAAAAA TTCAACTGTT TTATCAGGCT ATCTTTTTTAA TAATATATTC  
224641 ATTTTATCTA TATCTGAGGT TTTAGCTTCT TTGTACTTCT GACCCAATTG CATGTGTGCT  
224701 TTCTTTCTCC TTCATTAGAC TACTTAGTCA TTTACTAATT TTAAGAATAG CTTGTCTTTT  
224761 ATTTATTTAC TTATTTATTT TTGAGACGGA GTCTCACTCT GTCACCCAGG CTGGAGTGCA  
224821 GTGGCGCGAT CTCGGCTCAC TGCAACCTCC GCCTCCCGGG TTCAAGTGAT TCTCCTGCCT  
224881 CAGACTCCCG AGTAGCTGGG ATTACAGTCA TGCACCACCA TGCTGGCTA ATTTCTGTAT  
224941 TTTTAATAGA GATGGGGTTT TGCTATGTTG GCCAAGCTGG TCTCAAACTC CTGACCTTAG  
225001 ATGATCTACC CACCTTGGCC TCCCAAAGTG CTGGGATTAC AGGCATGAGC CACTGCGCCC  
225061 AGCCCTGCTT GTCTTTTAT TTTATATTTG ATTAGCTTTA TCTTTTATCA AGCTTATGTC  
225121 CTATTTCCCT TTGCTTTACT TCATATAAAT TTTGTTTGG ATAGTTTAT TATTTTTCAT  
225181 TTAATTATGA AACAGTTAA AGCTTAGAGG AAAATTGCTC CTCTAAGTCC AATTTTGTGG  
225241 GCAGATTACA TTTTGCTGTG TTGTGCTCCC AAATTCATTG TTCTTTTAA GCTTTATTTT  
225301 TCAAGTTAAT AACCTATATA GTAAAAAAGT GGCTGTGAC TCTCAGCTTT TTTTTTTTTT  
225361 TTTTTTTTTT GTAGATACAG GGATCTTGCT GTGTTGCTCA GGCTGGTCTG AAAGTGTGG  
225421 CTTCAAGGGA TCCTCTGCC TTGGTCTCAC AAAATGCTGG GATGACAGAC ATGAGACACC  
225481 ATGCCTAGCC ATGTCTCTCT CTTATATAT AATAAGAAAA CAGACACACT GAGGCATCCT  
225541 ATCATCTCAC TCTTGGTTTC ACTACTGTTT TCTGGAAGTT TTGCTCTGAC CTTTTCAGT  
225601 TAATGTATTA ATTTTGCATT GAGTAGTTTC CATAGAAGAA TTATAGCATT TGCATTCTGT  
225661 TGGGTATTAT ACTTTTCACT GTTATTTGAA CATAATTTGA GGGCTGAAAC CAAGATGAGG  
225721 CAAGTGAGGT GCCCAGGAAG CAATATTTAA GGAGGCATCC TTTCTTAGGC TCATGCAAGA  
225781 ACAGAATTGG CACATGAGAG TGAGTGCCCT CTTAATTTTG AGTGCTGGAC ACTTCTTGCT  
225841 CACTTAGCAT ACCCCTGGAC AATGAAAGT TTTTGTGTTT GTTTTTCAT GTCCATCCTT  
225901 TATCCTTCTT CATCTCAAAA CATTTCAATG GAGTATTTTT TTGGAGCAGT ACTTGGATGA  
225961 GCCTCTGAGT CCCACAGTAG CTGAGAATTT ATTTTCATAGT ACTCTTTATG ATCACTGTGG  
226021 AGCCTTAAAA CATGTGAATA TTAACCTTAGC TGGGAACAGA AATTTTGTTC CACAATTTGT  
226081 CTTATTCAGA ACAGTATTTA CTTCCTGCTA GTCTCTTCTG ATGTCCAATA TGAGGAAGTC  
226141 TAGTTAGCCA GCTACTTTTT GTAGGAGAGC TATGTTTAGG CTAGGTGCTA TAGGATTCTC  
226201 TTTATCCTGG AATTCCCTCA CCAAGATGT CCAAGGTGTT AATCATTTTC TCTTGCTTTT  
226261 TGGCTGGTGG TCTTAGAGTT TCCTTCGATT TTGTTTATTT TAGTGATTGT CCTCAATTTG  
226321 TTTTCTTTAC TAAGAATCTC TCTTCTATTT ATCTGTATGG TAAAACCTTG TTGCCATCTT  
226381 TTCTGGTTTC TGCTGACTTT CATTTTGGGA CCTTTTACTT TGCTTTCTCC ATGGACTTTT  
226441 TGGTAGTGGA GGCAGGCAAA CACTTTCCAA AGTCTTTCTC AATTTCCATC AATTTCAACT  
226501 TATTTCTTAA AATTGCCTCA GAATGTGCCT ATGTCCACAA TATCCCTCCT TCCACTTTAG  
226561 AAAGGAAAGG CATCCACACT TTATTTAGGT GCAATGCCTG AAGTGTAAC ACTTTCTGGT  
226621 TGTCAACAAA GGAGTACTTC CAAATATTGG TTTGGGGATA ACCTGCTAAT GATTAAACACA

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226681 TTCACCTTGG CTCTTGTTTT GCCTGCTCCC TCTTCTTTTA TCTGCTGTGT GTATTTTTTTT  
226741 TAATCACTGA GAATATGCAC AGTATTGTAT GTTTTATTAT AAGAGAGGAC TGGCCAGAGT  
226801 GGAATGTTT TGAATTCAGA ATAAGTGAAG CAGTACAGGA TAGGAAGTCA TTCTTTCAAA  
226861 TGAAGCTGGC ATATTTTCCC AGAGCACCAA ATTTCAATAT ATATTTAAAA AACTTGATAT  
226921 GAATGATACA ATAAAGTGGT TAGAAGTTTT ATTTAAATAA ACTTATGTCA TGAAATACTT  
226981 ATTCTAATTA TAGTCACTCT TCATCTTATT TCATCTTATA ACATGTTTTA TGTTTTCTTT  
227041 TATTTACAAA ACAATTTATT TTTTGATGAA AAGTTTTAGA AATCAAGTTA AAAATATTCA  
227101 AAGGAATGCC TAAAGTTTTT AAAATTCTTT TACATGTTGT ACAATCAAAA GAGTCTGAAG  
227161 ACCATTTAGC TATCCAAATT GTTTATTTTT AAGCAGTATC CCTTCTAATA TTTACTATTT  
227221 ATAATCCTTA AAAATTTGCC TTAGCACAGG AGAATTGCTT GAACCCAGGA GACGGAGGTT  
227281 GCAGTGAGCC AACACAGTGC CACTGCCCTC CAGCCTCGGC GACAGAGTGA GACTCTGTCT  
227341 CAAAAA AAAA AAAA AAAA GCGCTTAACA TTATTTGTTT ATTTAAACTT TTCTTTAATA CTACTAGTTT CCCTTTCCCT  
227401 CGCTTAACA TTATTTGTTT ATTTAAACTT TTCTTTAATA CTACTAGTTT CCCTTTCCCT  
227461 TCAGCCCATG GTCATATTTT GATTTTTATC ACTTGCTTTG TAGGACATAT GAGGTTTTTG  
227521 TTTTTTTTTT TTTTGGAGA TGCAGTCTCC CTCTGTTGCC CGTGCTGGAG TGCAATGGCG  
227581 CAATCTTGGC TCACTGCAAC CTCTGCCTCC TGGGTTCAAG CAATTCTCCT GCCTCAGCCT  
227641 TCCAAGTAGC TGGGATTACA GGCACCCACT ACCACGCCTG GCTAATTTTT GTATTTCTGG  
227701 TAGAGACGGG GTTTCACCAT GTTGGCCAGG CTGGTCTCGA ACTCCTGACC TCAAGTGATC  
227761 CACAATCCTT GGCCTCCCAA AGTGCTATGA TTACAAGCAT GAGCCACCTG CCCAGCCAGA  
227821 ATATATGTTT ATTTTGAGTC CTTTAACAAA GTCATAAGAA TTTTAGGAAT TCAGTTACTT  
227881 TCTTGAGAAA ATCTCTGAAA AGATGCCAAT AATTTGTAGC CAATTATATT GATTTCTCTT  
227941 TTTTCATATT AGAATTGTTT TTTAAAAAGT TTGTATGTGT GAAGATTTTT GCACGTGTAGT  
228001 TAAAGAAACC ACCTGTGTGT TGGTTAAGCC ATAAGTACAT GTATTCAAAT AAATTGAGGT  
228061 GGGGTTACTC TGAGAATCAA AGGAAAACCT GAAGAAACAG GCAGCCTCAA AAGGTCTTAG  
228121 CTGTAGCAAC TTGCTCCATT GTTGAAATAA ATAGGCTTGA ACTTGATTTT TCCCTCTACT  
228181 CAACATTTAA GGTCTCAGAA GATAATATAA TTGGTGAAAT TTAAGTAAAG TGCTCACTCT  
228241 TTTGCTTTAA CAAACCCTAG AGAGCTGGTA GGCAGAGCCT CAACAGACCG TTTTAGCTTC  
228301 CAAAGGGAGT TCAGGACACC ATGATTACAG ACCACAATAC ATCACACATA ATTGAGAAAA  
228361 GATAGTTCCA CCAATAAAG TTGAAATGCT GACAAGAAGG GGTAAAGAAAT CTTGGAAATA  
228421 AGTTTATATA AAATTTATTT TTTCTTTTTT TATTGTTATG GAATAGGACC AGTTCTACTT  
228481 AAGCCACCCA TTTGCCAAAA TAAAGTGAGA ATCGTTTCTT TTGGGGACTC CTCTTTGTAG  
228541 CTCCAAGTGC CACTAACAAT TCTTAGGACC TGAGCTATAA GCCAGGTGAT TTCAGTTAAT  
228601 ATGATCAATT ATTTCAATTA AATGGCTCTA ATGTGCAGAG GGAACGGAGC CCATCAGCAT  
228661 TCCCTGCAGG GAAGTGCAGT GGCTTTTATC AACTTGAACA GCTAGCTTTC AACTGTTTTG  
228721 AAATCACTTT CAGGGTGGTC ATGTAGTTGC TTTTGTGAAA TCAGAAGATG ATTCTGCCTC  
228781 TTTTAATATG TGACTCCTCA GATTCAGAAA GTGCTCGCTA GTCTTAAGAG TGAATTACCC  
228841 TCAGTGGTCC AGCGCTTATG AACCACATC TAACCCTATC CCCTGGGGGA ACTATCAGAG  
228901 AAATTGGTGC CATGGACATA AGAGGAAGGC ACAGTGAAGC AGAGAGCCCC GCATGATGAA  
228961 AATCAGTGGA CAGCATCATT ATTTACAAC TTTGTAATCAC CCAGGAGCAT GAAAATCCAG  
229021 GCCAATCTGG CACCATGAGC TCTAATTTTT GTTGGAGTTC TTGGAACCGA TTCTGATGAA  
229081 TGACTGTTTA GCCATTTTAG AGTGTGGCAT ACGTGGCTGC TGGCATAACAG AGGTTGGATG  
229141 TAAACGGGCC TTTGCCCTCT CTTATGAACA TAGACAGGAA CTAAACTGTG TCACATAGGT  
229201 TCCAAATGGT GGCCTGAATA CTATTTACAA CTAAGGTACA ATGAAATTGA GTAAGTCTTT  
229261 TCCTCTTTTG CAGATACCAT CATTATTCAT ATATTTCTTC AAAGTTAACT ATTTGTATTT  
229321 GGTAAATTTT AATAGAAATG TAATAATTGC TTCTCAAGTT TAGTCTTTAG TCTTAAGGTT  
229381 GATGCTCTCC ATGTCCTTCC AAAAAAGGT ATGTTGCTTT TATTATATCC TCGCCTTCAG  
229441 ATGGGATTAT TCCATTTTGT TCTTTGTTAA TATATACTTT GAGCCACTTT TTTTGTGGCT  
229501 CTGGGTGAGA TGCTATAGGT ACAATGACAA GTGATACGTG TGTGTGCCCT GTCACAAAAG  
229561 TGGATAGCCT AAGTGGTGAC TTTTACCTCC ACTCCAAATA TATGTATCAC ACACCAGCCG  
229621 TATGCCAGGC ACCACTCTAG GTGCTAGGGA TACAGCAGTA AACAGACAAA TGCAACCCCT  
229681 GCCCATGTGA AAGAGAATAA GACAATAAAT AAGTAAAGTG CATGTTATAT GGAGGTGGCA  
229741 AATGCTAAAA AGAAAAATTA AGCAGGCAAG AGGACTCATT GAAAAGATGA CATTTGGGTA  
229801 AAAGCCCATG TATATATGTT CTATTGGTTT TATTTCTCTG GAGAGCCCTG ACTAATACAC  
229861 AATGACTTTG AGAAGTTACT GGCTTTTGAT TTATCACACT ATTCGGAGTG CTGAGAGCCT

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229921	TCTTAGTGTG	TATTCAGTGT	TTTAAGAGAG	CTTGTGGATG	AATAATAAAT	AGGACAAAAT
229981	TTATCCAAAC	TTAAGCCTTG	CTTTAGGTAA	AAGGGCTCCT	CTTACAAGGT	AGAAGGTTAT
230041	TATTTGGCAT	TTAAATCCAA	CTGAAGACTA	ATAAGACTAA	TTAATTAAAA	GTTTTTAAAT
230101	CACAAC TGGG	TGCAAAATAA	ATGGAAC TGC	CATGCTCGCC	AAGTGTGCAT	GAGTGGTGTG
230161	CATGGGAGAC	AGCACGAAGC	TAATCCCAC T	CATCTTG CAG	GTGCTCCAT	TTTTCTCCTA
230221	AAATCAGTAA	GACAGAAGCT	GGTCAGATTA	TCAAGAGCCC	TAGTTAAACA	CAGCAGTAGC
230281	ATTTGGAAGG	GGTTGCTCTC	ATTAGGCAGT	GCCTGACCAC	AACAAGAGAT	GAACAAGCCC
230341	TGTATCTGAA	GCCATCATGC	CTAGTTATGG	TCCCCCACTG	TTCATGATGC	CTGAAAGGGA
230401	GGCCCCCTGC	ACCCTAGAAA	GCTGGGTGGG	TTCTACTGTC	TGCTTTACTG	CTAAAAACCC
230461	TCTTCTTTGG	ATCTGGACTT	TACCTCTATC	TGATTTTTTTT	TTCTAATATA	TGATTTGGCA
230521	CTGAGTCTGT	CAC TGC TGT	AAC TCAGCAG	TTCTAGGGTC	ATTGCCCCAT	TGCCTCACAG
230581	AAAGAATTTT	ATAGCTTCCA	GCATCCTCTC	TCCTTCATTA	TACTTTGATT	TCAGCATTGC
230641	TATTTTTTCT	CTTGGGTGTT	GCAGCTCTCT	CTCTCCTTCC	CATGTCCTTG	TGGTTTTCTG
230701	CTAACTCCTG	CTTTTTTTCT	TTTTTTTTTTT	TTGAGACGGA	GTCTCGTTCT	GTCACCCAGG
230761	CTGGAGTGCA	GTGGCACAAT	CTCGGCTCAC	TGCAACCTCC	GCCTCCCGGG	TTCAAGCTAT
230821	TCTCCTGCCT	CAGCCTCCCA	AGTAGCTGGG	ACTACAGGCG	CTCACCACTA	TGCCCCACTA
230881	ATTTTTGTAT	TTTTAGTATT	GCTGTCATCA	ATCCACATGT	CCAGAAGCAC	CTAGAAACTC
230941	TAATTCCTTG	TAGGTATCAA	ACCCTAGGAC	TCTTTCCTCT	AATCACAATA	TATAATCCCT
231001	GATTCCCAAA	CACGGTCTTT	TCATATACAT	TTTCCACTGT	ACATACTTTC	TGACCTGGAA
231061	AGCTCTTACA	CAAACACGCC	CTCCCCTAGG	AAGCCTTTAT	AAATGTTCCC	AGGAAGAATC
231121	AGTCACCCAA	CAGTGTCCCT	GTCACATCTT	AGGTTCTACA	CCTTTATTTG	TTCTATCTGA
231181	ATGTAATCTC	CCAGAGGGTG	TTATCATCTT	TTTTTTTGAG	ATGGAATCTT	GCTTTGCTGC
231241	CCAGGCTGGA	GTGCAGTGGC	ATGATCTCGG	CTCACAGCAA	CCTCCACCTC	CTGGGTTCAA
231301	GTGATCTCCT	TGCCCTCAGC	TCCTGAGTAG	CTGGGATTAC	AGACGTGTGT	CACCACACCT
231361	GGCTAATTTT	TGTATTTTTA	G TAGAGACAG	GGTTTCACCG	TGTTGGCAAG	GCTTTCCTCG
231421	AACTCCCAAA	CTCAGGTGAT	CCACCCGCCT	CAGCCTCCCA	AAGTGTCTGG	ATTACAGGTG
231481	TGAGCCACCA	TGTCCAGCCC	CATCTTTTTT	TTTTAGTTTA	GTTCTTAACA	AATAGTCTGA
231541	CACAAAAGTG	ATATAACAAT	ATTTTGAAT	ATGAATAACT	AAATGAATAT	TTCCAGATTT
231601	CCTGGTGCTC	TCAAAGTTTT	ATGTTACAAA	AGAAAAACAA	GTCTAAAATA	CCTGCCTCAA
231661	GTTTTTATCT	GTACTATGAT	TTCAAACCAA	ATAAAAAACA	GGTGGGGTAA	AAACTGAAAC
231721	AGGAAATACA	TATAACTGAA	AAATTTTGGT	ATGTTAGTAT	GATAATACTA	GGTCATTTTT
231781	CCTGTTTCCC	CAACTTCATT	TTCTATAGCA	ATAAAAAAGAA	ACAAGTAAAT	GTATATTAAT
231841	TTAATTTAAA	AGAAGTAGTC	TACCATCTCT	TCTGTTAAAA	AGAAAAAAGT	ATTTTAAAAA
231901	ATTATCTCTG	GAAGGATACA	CAGGGAACAT	TGCTCTGGTT	TCTTCCAAGA	GAGAAATGAG
231961	GAAGTAGAGA	GCATGGCCAA	GTGGGGTTTT	GCTTTTGTTT	TTGTTTGTCT	ATCTGTTAGC
232021	TTTTTTATTAT	TTTCTTTTGT	AGGTTTGAAT	TTCAAACCAC	ATAAATCTGT	TACATGCTCA
232081	TAATAATAAG	TTTAAAAATA	AAC TTTTGGC	TGGGTGCAAT	GACTTACACC	TGTAATCCCA
232141	GCGCTTTGGG	AAGCAGAGGT	GGGAGGATAC	TTGAGGCCAG	GAATTTGAGA	TCAGCCTGGG
232201	CAACATAGTG	AGACCCCTGCC	TCTGTAGAAA	TAAACAAAAA	TTAGCTGGAT	ATGGTGGTGC
232261	ATGCTTGTAC	TCCTAGCTAC	TTGGGAGGTT	GAGGCAGGAG	GATCCTTTGA	GTCCAGGAGT
232321	TTGAGGCTGC	AGTGAGCTAT	AATCACCCAC	TGCACTATAG	CATGGGCAAT	AAGGTGAGAA
232381	CTTGTCTCAA	AAAAAAAAAA	AGGGGGGGGG	AAACAAATAA	ATAAATATAA	ACAAAACTTT
232441	TGTTTCAAAA	TATGTAATAT	TTAGCACTAA	AGAATTCTGA	ATTGTAGAGC	TAAAAAGTAC
232501	TTAAAAGTTA	ATAATTATTG	TCTCCTTTAA	AAGAATTGTT	ATCAAAGTAT	AATTTTTATC
232561	CAGAAAATCA	TCCATATCAG	CAAGCTAAAC	TTTCTCAAAA	TGACATATCC	ATGTAATTAG
232621	CTCCCAGGTA	ATTAGCAGGC	AGCCTCTACT	CAGGTTGAGT	ATTCCATAAT	TAAAAATTGG
232681	AAATTCAAAA	TGCTCCAAAA	TCGGCAACTT	TTTGAATGCT	AACATGATTC	TCAAAGGAGT
232741	GCTCATGGAA	TATTTTCAGAT	TTTGGATTTT	TGGATTTGAG	ATACTCAGTA	TAATGCCAAC
232801	ATTCCAAATC	TGAAAAAATC	TGAAATACTT	CTGGTTCTAA	GCATAAGGGA	TACTCAACGT
232861	GTGTTAGCTA	ATTAGACCCCT	TCATGGTCTC	TTCTAGACCT	CAGCTTCTTC	AAGGTAACCT
232921	CTATCCTCAC	TTCTAATAGC	ATGAAC TTTT	CTGTTT TAGA	ATAATTTGGA	TTTTTCAGGAA
232981	AGTTGCAAAG	ATAGTACAAA	GACAGTACAG	GAGAGTTCCC	ATATATCTTT	CACCTAGCTT
233041	TCCCCCATTG	TTAGGATTTT	ACATTATTAT	GATACATTTG	TCAAATATAA	GCAACTCACA
233101	TTGATACATG	AAACTCTATT	AACCAAACCC	TAGACTTTAT	GTGGATTTCA	CCACTGTTTC

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233161 CACTAATGTT TTCTTTCTGT TCCAAGGTCC AATCTGGAAT ACCACACTGC ATTTTCTTGT
233221 CATATCTCCC TAGTCTTTTT TTGTCTGTGA CAATGTCTCA GTCTTTTCTT GCTTTTCATG
233281 ACCTTAACAG TCCTGAAGAT CATTTGCTTT TTTTTCATAA TTACACCGGA GTTATAGATT
233341 TTTTGAAATA ATACCACAAG GGCAAAGGGC CCTTCTTGTC ACATCATTTT AGGGAGAACA
233401 TGATATCCAC ATGACATCAC TGATATTAAC CTTTCATCATG TGGTTTAGGT AATGTTTCAG
233461 GTTTCTCTAC TGCAAAGTGA TTTTTTCCC TTAATTTAGC CCACCTGAAC TTATCAATTT
233521 TGTTTTCTTC CATGACTAAT ACTTTTGTTA TTATAGCTAA AACTTCATTG GGGCCAAATC
233581 TTAGATCATG TAAATTTTCT TCTATATTTT ATTCTAAAAG CTTGTAATGT TTGATACATT
233641 CTAAAAGATG TAATGTTTGA TACATTACAT CTAGTCCTTT GATTTATTTT TAGTTACTTT
233701 TGTATAAGGT GTGAGAGATG TCTCCAGTTT CACTTTATTA ACACATTGTG GTGTTCCAGT
233761 ACTATTTGTT GCTAAGACTA TCTTTTTTCC ATTGATTACC TTTGCCTTAG TTGGCAATAT
233821 TTTTGTGTTG TTATTTCTAG ACTGTTTAA ACAGTTTCACT GATTTGTGTC TATCTTTTGT
233881 ACAAAACTGT TGATTACAGT AAGCTTTGAA ATAGTTTCATT TTTTGTGTCA ACTTGACTGA
233941 GTCAGGGGAT AACCAGCTAT CTGGTTAAAC ATTATTTCTG GCTGTGTTTG TGAGCGTGTG
234001 TCTGGATGAG ATTAGCCTTT GAATAGGTGA TCCTAGTAAA GTAAACTGTC TTTCCCAGTG
234061 TGGATGGCAT TATGCCACCT GATATTCAGG GTCTGAATAG AAGAAAAGGC AGAGGAAGGG
234121 GGAATTTGGG CCTTTTTTTC TGCCTCACTG CTTGAGCTGG GACATCTCAT CTGGTCTCCT
234181 GCTCTTGAAC TGGGATTTAC ATCATCAGTT CCTCTGGTTC TCAGGCCTTC AGATTCAGAC
234241 TGAATCATAC CACCAGCTTT CCTGGGTCTC CAGCTTGCA GATTACAGATC ATGGGACTCC
234301 TCATCTTCCA TAAATGCATG AGCCAATTCA GTCTATGTCC TTGAAAAC TG CCCCCTGCA
234361 GATTAAGGCT TTTTTCCTACT AGGTGAAATA AAGAAGCTTG TTAGACAGAT TTCCCTTCAT
234421 CCAGTGCCCT CTCCTCTTTA AGTTACAACA CATTGGCTAC ACCTAAGTGC AGGGGTGGGG
234481 ATGAGGGTAT AGTCCTCTTG TTTGCTGAGA AGAGAACTGT ATTGGGAAAG CTCTAGAAGT
234541 GTTTGATACA TACATAAACA AGGCATGGTT TTTGCACTTA ATTTACATT ACATTTTTC
234601 CAGAAAAAAA GGAATGTATA GGCATCACGT AACTGTACTA GCTGGAGTCA TTCTTCCTGA
234661 TTATCAAAGG TAAACAGTTA TTAATCCTAT ACCAAGATGT CAAGGAGAAG TACTTTTGGG
234721 ACACAAGGAA TTCTCTGGGA GTCCTTACTA CTCTCAAGCC CAGTGAAAAA GTTAATGAAA
234781 AACTATAGTA CCTTCCTATA AGCTGGATGA CTAATTACCA GGCTCATTTA GGAATTTGCC
234841 TTACCAAGTA AAACATAAGG GCAGCTGAGG TGCTGACTGA AGACAAATGG AGCATAGAAT
234901 AAGAGTAGTA AAGAATGCCA AAAATGCTGT CATGTATCCA TTGACAAAAG GAGCTATAAA
234961 GCCTTTAGGT ATTTTCACAC TTGCTCTGTT ACGTAAATGT ATGTGTGTGT GTGTGTGTGT
235021 GTGTGTGTGT GTG
//

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1  CACACACACA CACACACACA CACACACACA CACAAATGAG GTATATAAAG GGTCTCCTAA
61 AATGTCATCT GATATTTGTT ATTTTCATATT CTCAGATTTT TAATCCATTT AGGTAGGTCT
121 ATTTTAGATA GCCTTGCTCTG AAACAGAGCT GGGACCTGAT GAGTGAAAAT GAGCTCACCA
181 GAAGAAAAAT CAAACAGGCA TTTCAGAGAT TGAGGCCAAG AAGTTAAATG TCTTAAATGG
241 GCAGAGCTTA GCTGCTTGAT GTGAAAAGAG ACCAGCGTGG CTGGAACAGC AAAGGAGAAC
301 AGCAGAAGAG GTGAACAGAG GCCAGAGATG GTCACTGAGT GGGCCCTTAA GTCATGGTAA
361 GGAGTATGGA GAATGAATTA TTGCATGTAT TGAATATGTA GGTGACGTGA CTCACAGATA
421 CTTTGGATTT GTAGAGATGA AGGAAATGTA GCAAGTGACA CTCTTAGAAT GTTGATTGTA
481 GTAAATGGTA GTGTCAGTTA TTGAACTGGG GAGAACTGGA AGGGATAACA GGCTTAAGGA
541 GCACGTTTAT TCCTGTGTCT TGGAAGTGTT TAGGGTGAAA GACCTATTAG AGTTCATAAT
601 GGAGATGTCA AGTGAAAATG TGGCTACACA CATTTGCATT TCAGAAAAAA GGTACAGGCTG
661 GAGATGTAAA ATTGGAAGTT TACTGCATAT AGATAGTCTT TGGAACCGTA GTATTGATGA
721 AGCCATTAAT GAGACAGAAC AAAGACTAGG GACCAGAGCC AAGCTCCAAG TTTCTAAAAAT
781 TTAGAGGATA GTATAGTCTG GTCATTTTGA GGTGAATACT TAATAACAGA ACAATTTGCT
841 GAAGTGTAATA TTTAGAGCCC TACTCTTTTA GCTCTGACTA TTAACGAATA CAGGAAAGAA
901 TGGATATGGT TATCTGCCTG GTGTCTGTGA AATAATTTAA GCCAGGAAGA GATCCTCACC
961 AGAAACTGAC TATGCTGGCA ACTTGGATCT TAGATTTCCA GCCTGCAGAA TTGTTAGAAA
1021 ATAAATGTCT ATCGTTTAAG CCACCAGTCT GTAGTATTTT GTTATGGCAG TCCAAGCTGA
1081 CTAAGTTTTG GTACCCAGGC GTGGGATGCT GCAACAACAA ATACCTAAAC ATGGGGAAGT
1141 GGCTTTGGAA ATTGGTGATG GGTAAGGCTT GGAAGAGTTT GAGGTTTCATA CTAGAAAAAG
1201 CCAATTGTGA AGGGACTATT GAAAGAAATA TGGACATTAA AGGCAATTCT GGCAAAGGCT
1261 CAGAAAGGAA GAGAGCTGGA CAGAAAGCTT CCATTTTCAT AGAACTTAG ATTTATAACG
1321 ATCATGGATA GAATATTAAA TATGCTGGTT AAAATATGGA CTTTAGGCCA GCGTGGTG
1381 CTCACGCCTG TAATCTCAGC ACTTTGGGAG GCTGAGGGCA CAGATCACGA GGTCCGGAGT
1441 TTGAGACCAG CCTGGCCAAT ATGGCGAAAC CCTGTCTCTA CTAAAAATAC AAAAATTAGC
1501 TGGGCATGGT GATGTGCTTC TGTGGTCCCA GCTACTCGGG AGGCTGAGG TGAAGAAATCG
1561 CTTAAACCCG GGGGGTGGAG GTTGCAGTGA CCAAGATCA CACCCTGCA CTCCAGCTG
1621 GGATACAGAG CAGGACTCCA CTCCCCCGC CACACACACA CAAAAATAT ATATATATGG
1681 ACATTAAAGT CAACTCTTGT GAGGTCTCAG ATGAAAATGA GGGACAGGTT ATTGGAAACT
1741 GTAGAAATCA CTGTTCTTGT TACAATGTGT CAAGAACTTG GCTGAATTAC GCTGTAGTGT
1801 TTAGTGGAAA GAACTTATAA GCAGTAAAC TGGATATTTA CCAGAAGAGA TGTCTAAGCA
1861 AAGTATTGAA GGTGTGATTT AGGTCTCCT TACTGCTTAA AGTGAAATGT GAGAGGAAAG
1921 AGCCGAAATA AAGAAGGAAT TTTTAAGCAA AACACAATCA GAACTTGGAG ATTTGGGATA
1981 GATTTCTCAA TCTATATTGT AAAAATTGAG AAAGTTTTTC TTGAAGAGGT ATGGTTGAAC
2041 AATGTTTTCT TTTTCTTTTT TTTTCTTGGT TTTATTTTTTA TTTTATGTT TTTTGAGACA
2101 GGGTCTGGCT ATGTCATCCA GGCTGGAGTG CAGTGGCACA ATCTCAGTTC AGTGCAACCT
2161 TTGCCTTCAG GCTCAAGCAA TCCTCCCACC TCAGCCTCCT AAGTAGCTGG GACTACATGT
2221 ATGCACCACC ACACCCTGGC TAATTTTTTG TTGTTGTTTA TAGAGATGGG GTTTTGACAT
2281 GTTGCCTAGG CTGGTCTCTA ACTCCTGAGC TCAAGTGATC TGCCCTCCTC AGTCTCCCAA
2341 AGTGTTGGGA TTACAGGCGT GAAACACTGA GCCTAGCCTG AACAACCATT TGATAAAGAG
2401 ATAATGGGTG TGACCAAGG ATTTAATCAG CCATCTCAGC AGAAGCCAGG AAGAGAGATG
2461 GGATTATTCC AGCAGAGACA CTGCCAATTT AAACCTAACGT AGGCAGAGAA AACAGAAAGG
2521 AACAAAGGAA GGTTGTCGAC TTTTGAATT CTATAGAACA GGATCATAGA GCTACCTGGC
2581 TGTCAATGTG TACTATTCTT TAAGAAAAGG AAAGACTGAC CCACCAAAGG CAACTTACAA
2641 GATCACTAGG GCTGACTCTT TTTTGTTTTT TCTTGAGGCA GTCTCACTGT CACCCAGGCT
2701 GTAGGGCAAT GGTGTGATCT CAGCTCACTG CAATCTCCAC CTCCCAGGTT CAAGGGATTC
2761 TCTTGCTTAA GACTCCCAAG TAGCTGGGAT TACAGGCTCT AAATCTGTAC CCTCCCAGT
2821 AGCGCTCCTG CCACCACTTG CCCAGCTAAT TTTTGTATTT TTAGTAGAGA TGGGGTTTCA
2881 CTATGTTGGC CAGGCTAGTT TGGAACCTCT GACCTCCAGT GATCCATTCT CATTTGGCCTC
2941 CCAAAGTGCT GGGATTACAG GCAGGAGCCG CCAGGGCTGC CACTTTGATG TCAGACTCAG
3001 AGAGTACAGA TGGGATAGGG TGGGGGTGGG AACATGTAGT CAAGGCTGAC TCTACCTGTT
3061 TCAAAGATGC CCTGCAGAAC TGTGTGGGAG TCTCTCACAG ATGGCTGCCT GGTGGGACC

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3121	CCACCAAAC	GAAAGACCGA	GACTTCAGGC	AGGGCAGATG	GAGTAGGCCA	ACTACAGAGC
3181	CAGAGGTGAC	ACTGAGACAC	CACTGGGCC	GGAAATCAGG	GCATCAAGCC	AAAGAGGGTT
3241	TTTCTTAAGA	CCTAACAGAA	TTTGCCCTTG	CAGGTTTGG	ACTTGATTAG	GACACATTAC
3301	ACCTTCCTTC	TTTCCTATTT	CTCCATTTTC	TAATGGGAAT	GTCTATTATG	CCTGTTTCAC
3361	CATTGTACCT	TAGAAGCATG	TAACATTTCT	GGTTTCACAC	GTCAAAGCT	GGAAAGGAAT
3421	TTTGTCTCTG	GATGAATCAC	ACATTGAGCC	TCACCCGTAA	CCTGATTTAG	ATGATTTTTT
3481	AGATGACACT	TTGAACTTTA	GAATTGATGC	TAGAATGAGT	TAAGACTTTC	AGGGGGCTGT
3541	TGGGATGGAA	TAATTTTTTT	TTTTTTTTTT	AGACGGAGTC	TAGCTCTGTC	GCCCAGGCTG
3601	GAGTGCAGTG	GCACCATCTT	GGCTCACTGC	AAGCTCTGCC	TCCCAGGTTT	ATGCCATTCT
3661	CATGTCTCAG	CCTCCAGAGT	AGCTGGGACT	ACAGGCGCCC	GCCACCACGC	CTGGCTAATT
3721	TTTTTTTTTAT	TTTAGTAGAG	ATGGGGTTTC	ACCGTGTTAG	CCAGAACGGT	CTCGATCTCT
3781	TGACCTTCTG	ATCCGCCTGC	CTTGGCTTCC	CAAAGTGCTG	GGATTACAGG	TGTGAGCCAC
3841	CATGCCCGGC	TGGGATGGAA	TAAATTTATC	TTGTATGGGA	GAAGGACATA	CATTTTGGCA
3901	GGTCAAGGAC	AGAATGTTAT	GGACTAAACT	GTGTCCCCCA	AAATTCATTT	ATTAAACCC
3961	TAAACCCAG	TGTGACTGCA	TTTGGACATA	GAGCCTTTAG	GGGGTACATA	AAACTAAAGA
4021	TCACAGGATA	GGGCCCTAAT	CCCATTTGGG	CTGGTGTCTT	TACAGAAGAT	GAGACACTTA
4081	GAGCTCTCTC	TCCACGCAGG	CACCAAGGAA	ACACCATACA	AACACACAGT	GAGATGGCAG
4141	CCATCTGTTA	GCCAGGAACA	GATTCCTACC	ATAAACTATG	TTGGCACCTT	GATCTTAAAC
4201	TTCCAGGCTC	CAAACTGTG	AGAAAATGAA	TTTCTGTTCC	AAGCCTCTTA	GATATGGAAA
4261	AAAAGATTCT	GTTGTTTAAG	CCATCCAGTC	TCTGGTATTT	TGTTATGGCA	GCCTGAGTAG
4321	GCTAAGACAA	TGAAGGATGT	GGTAAAACTT	TACGTCCCAA	CCACATACCA	AAGAGGCTGG
4381	AATTTAGCAT	GCTTCTTCT	TTCAACTGTA	GGCAATGTGC	ACAAGTTCTA	AATCCTAAGA
4441	CATGTTGGCT	CCTTTACTCT	GCCCCAACTA	CAACTCAAAC	AAACAACCTGT	AATATAATAA
4501	CATCCAATGA	AGTTCTGACA	TTTCTTCAAC	ATGAGTACAG	TAATTCATATG	CCAGAGAATT
4561	CATTTTATTT	TGAAATCTAC	ATGCCATATT	CCAATTTCTG	TTGAAGATGC	AATGGTTATA
4621	TTTATTCTTT	TTAATATAGA	TTTATCAGAC	TGGGCGCGGT	GGCTCATACC	TGTAATCCTA
4681	GCATTTGAGA	GGCTGAGGTG	GGCATATCAC	CTGAGGTCAG	GAGTTTGAGA	CCAGGCTGGC
4741	CAACATGGTG	AAACCTGTGC	TCTACTATAA	ATATAAAAAT	TAGCTGGGTG	TGGTGGTGCA
4801	TGCCGTGAGT	CCCAGTTACT	AGGGAGGCTG	AGGTAGAATT	GCTTGAACCT	GGGAGCAGGA
4861	GGTTGCAATG	AGTGGAAATC	GCACCAGTAC	ACTCCAGCCT	GGATGACAGA	GCAAAATAAT
4921	AAATACATAA	AATAGATTTA	TCAGTTTATC	AATAATATAG	TTTTCTTTTC	TAGGTGTAAA
4981	TATAGGTAAT	GACTGTCCTT	TAGTACATTT	TCTCATGATG	CTCCTCTTAC	TTGGTTTGGT
5041	ACAATATTA	GTATTGAAAT	AAAATAGAGA	ATCCTGTGCG	TACACATGAG	CACTTATTCC
5101	ATTTGCTCAT	CTCCAATATG	CACGGGAAAT	TCTCAAATTG	CTAATAATCT	TGTAACACAC
5161	ATGCATTATA	TTCAACAGGA	ATATATAAAT	TTATAATTAT	AATTTAGGAT	CAACAGATGA
5221	CAAACCTTTA	GAAGGTTTGT	ATTTAACCTT	AAAATATAAT	TTTTTTAAAA	TTGGTTATAA
5281	AATTTCTAAT	ACTTTCTTTT	TTGTGACCTC	AAGGGGAAAA	TATAATTCTT	ATAAAAGTTC
5341	AAATGATTTA	CAGAATACAA	AAAGTGAATA	GAGATGATGA	ATGAATTAAA	GGAAAGGATA
5401	TTGCTACATA	GATTTGGAAA	TTTAAAAAGG	GAAATTACGA	TTGTTGATTT	TGTGTTAAAC
5461	TGATCTGCTT	TGTTCAAGAT	ACCTTATGTA	CCAAAAAATG	ATTTTATCTC	AGCCTCATAT
5521	CTCAGTAAAT	TCCTGAGACA	AACTTTAGTC	CCTGGTGCCC	AGGTGCCTTT	GGTAATTGGG
5581	AGACCTCTAG	GTTTAGCATC	CTCATCCACT	CGCCCCAATT	TAAATAGTCC	TCCCCAGGGC
5641	CATTCAGGCA	AGGGAGATGA	AAACTTGCTC	AAGAGTTGGA	ATCCAATTGA	AGCTACCGAA
5701	ATTCATTGCT	CAATAGATAA	TTTTCCCTGG	AAGTAACTAG	GGCTTTTGAA	TATAATAGTG
5761	GGCATTTCAA	AGTAGAAGGT	AAAGTATTTT	GGAGATGAGG	AGACAGGACA	GAGCTACGAG
5821	GAATGTCCCT	TGCTCAGGGA	CTAGGCTCTT	AGCAGTACCT	CTTAGGTAAG	AACCTGGTTAA
5881	CTGGCACCTT	CTGTGTTTCT	CTGAAGCTCC	CTTTGCTTAG	GGACTAGGCT	CTTAGCGTAA
5941	CCTCTTAGGT	AAGAAGTGGT	TAAGTACAC	CTTCTATGTG	TCTGAAGCTC	CCAGAACAAA
6001	CTGCCAATGA	AATTTGGATT	TTTGGAATAT	AGTTTCTTTT	TTGTTGTTAC	TTTTTGTTTT
6061	GTTGTTTTTT	TTTGAGAGTC	TCACTCTCAC	TGCAACCTCC	CCCTCCTATA	TTCAAGTGAT
6121	TCTCTTGCC	CAGCCTCCCG	AGTAGCTGGG	ACTACAGGCG	TGCACTAGCA	TGCCAGCTA
6181	ATTTTTGTAT	TTTTTAGTAG	AGATGGGGTT	GGTTTTTTTT	TGAGACAGAG	TTTCACTTTG
6241	TCGCCCAGGC	TGGAGTGCAG	TGGCACGATC	TTGGCTCACT	ACAACCTCCA	CCTCCCGGGG
6301	TTCAAGTGAT	TCTTCTGCCT	CAGTCTCCTG	AGTAGCTGGG	ACTACAGGCG	CCTACAGGTG

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6361 AACACCGCCA CACCTGACTA ATTTGTGTAG TTTTATTAGA GATGGGGTTT CGCCATGTTG
6421 GCCAGGCTGG TCTCAAACCTC CTGACCTCAG GTGATCTACC CACCTCAGCC TCCCCAAGTG
6481 CTGGGATTAC AGATGTGAGA CACCAGATCA GCCTCAGAAG ACATTTTCTA TTGGAAAGAG
6541 AAAACACTAT TAGCAACCTA TTAGTCTAAT ATTTAATACT TAATGTCTTC CTTAGTAATA
6601 AACCAACTCT CTACAACAAA GTGCTTCCTG GCTGCCTAGT CATTGATTCA TTCAGTTCAA
6661 CATTTTCTCA ATGCCCAACA GCCAAGTGTC TCCTGTATGC CAAGTTCCTAT GCTGATTATC
6721 AGTATTTGAA TAAGAGGGGG TCTACATCTT AAGTACTGCT TAAGATGAAA GCCTCTAGGT
6781 TAACAACTT AACACAATGT ATCATTCAC TACTAAATAGA CCGAATACAA AATCTTGTTA
6841 TTGGAGCCCA GAGAGAAGAA TTGAAATTCA AGTTTTCTCT CTCTCCTTTT CTCACTCACC
6901 ACAATAAGTC AGTTGCACCA AGTCTTGTAG CTCTTTACTG AGCCATGTTT TCACGTGTCC
6961 CTTTGTTTTA TTTGCCACAC CCTAAATAAA AATTGTACTG GCTTTTTTTC CCTGGGTTTA
7021 CAGTATTAAT ACATTGTCAA GATTTACCTC TTCGTGTAGA TTCCCTGGGG AAAATTACCT
7081 TTCCTCCTTC CCTTAAATTC TTCAGAGGTT AGAAAGCCAT TAGTAACATT CTGGTATGTG
7141 GACAAAGTTT ACCCATTATG TATGGATGTT TTACTCTTTC CATTTTTCTG ACAATAACTCT
7201 CTTAAGGAGG TGTGGTTATA GAATAGTCAG CTGTTATAAG TACTGTTTTT CTGGCCTTAC
7261 AACTTAAATT CTTTAAGCTG TTTCTTAGTT TGCTCATCTC AAAATTCGGA ATAAGGATAA
7321 AACCTATCTC TTAGATTGTT GGATTAAATG AATTAACATA CTGGAAGCTC ATGAAATGTG
7381 CCTGGCACAC AGTAGTGCCT AATAAACCAT CTCTCTTATT CAGCCTGTTT TCTGATTTCA
7441 GAATCTACAC TTGCTGAGCC AGGTTCTTTT CATTTCAAGG TGAGCAAAAG CATAACAAGGA
7501 AGAGATGGAG GTAGGAAGAG ATTAAGCCCT AGGCCAAGGG AGCTGGAATC AAAGGCAATT
7561 TGGTCAGTGA ATAAAAAGGA TTCCAAGGCC CATAAGGCAA TTCTAACCTT AGGATCGAAA
7621 TTCTCGGACA TACAGGAAAT GCTGGGGGGG GGAAAATCCG GTCTTCTCAG CCCAAGAGCC
7681 ATGTGAAACC AGACCTTCAA ATCTGATGAT TCTCAGCCCA GCTGCCCATT AGAATCGTTG
7741 TAATTTAAAA ATACCCTCGG AAAATTCCTAA TATGTGGCTA TCAAAGGTGA TCATTTGCTT
7801 TTATGCCACT TTGTTTTTCA CCAAATGGGA CATCCAACCC TTTTCCTTTG AGAGTAGTTG
7861 TAGGGAAAGG AGGGGGTGGG GGGAGGGAAG AGCGGAAAAG GCTGGATCCG CCCCAGAGCCG
7921 GTGTCAAGTAT CTGGGAAGTG GGAGGCGCGT CAGCAGTAAA CAGCTTCTGC TAGGATTATT
7981 ATCTCCTGCC ACACACTCGG ATTTGAAGGC TCCAAACGAA ACAATGCAAA ACGCTTCAGT
8041 GGAGTTCCAG AAGCGTTAGA CTAAACGACT GGGTCTGTTT GGCCAGTCTG AGCAGCTGGG
8101 CGCAGATGCA TAGGCAAGAC TTAGCCCGCC TAGACTTTTC TGCCCACTTA ATTCGATCA
8161 AAGCAGAAAC CGGCCGGGCG CGGTGGCTCA CGCCTGTAAT CCCAGCACTT TGGTAGGCAG
8221 AGGCTGGCGG ATCACCTGAG GTCAGGAGTT CGAGACCAGC CCGGCTAACC TGGTGAACT
8281 CCGTTTCTAC TGGTGGCGGG CGCTTGTAAT CCCATCTACT AGGGAGGCTG AGGCCGGAGA
8341 GTCGTCTGAA CCCGGGAGGC GGAGTTTGTA TGCAGTGAGC CGAGATCGCG CCACTGCATT
8401 CCAGCTTGGG CAACAGGAGC AAAACTCCGT TTCAAAAAAG CAAGCAAACA AACAAAAAAA
8461 TGCAGAAACC GAGATCCGGA AGAAAACCTC GGCGAGATTC ACAGAATCCA GGAAAATAGG
8521 TCTCTAGAAA TTTGTCCATG GTCCCAGATC TCCATTTCTT GTGGGTGGGG CAGCTGTTAC
8581 CAGATCCCTA GAAGCAAAGG TTTTTTTGGG GGACCGTGTC TCACTGTTGC CCAGGCTGGA
8641 GGGCAGTGGC ACGATCTCGG CTTACTACAA CCTCCGCCTC CCAGGCTCAA GCGACTCTCC
8701 TGCGTCAGCT TCAAGAGTAG CTGGGAGTAC AAGGTATGTG CCACCACGCC CAACTTATTT
8761 TTTTATTTAT TATTTTATTT TAGTAGAGAG GTGTTTCACC ATGTTGGCCA GGTAGTGTC
8821 GAAGTCGTGA CCTCAGGTGA TCAGCCCCCT CGGCCTCCCA AAGTGGTAGG ATTAGAGGGG
8881 TGAGCAGAAA GCAAAGGTTT TTGAGTGGCC ACAGGCCCCA CTCTATTTCC TTTTCTGCCT
8941 GTAATGGCAA CCTAGACGCT TGAGCTTCTT AAAATACAAG AGTAAGTTGC ATGTCAGGCA
9001 CCGTTCTACA TTAGGGACAT TAGTCTGTTT TACAGACACC TTTCAACTCC CTGGTTAACT
9061 TTTAGGTAAT ATACTCTGCA CTTTAGCAGG AATGGAACCT ATAACCTCA CAGAATTAGG
9121 AAAGTGAGGC TGCCTACAGC CTAAATTGAG AAAAAAATAG ACGGGGACT AGTCGGAGGA
9181 CCAAACAAGG TTACCAACAC GTTAGAGTTT TGCCTTCAAT TTACATTTTT AAAGTAATCA
9241 CAACGAAGTG TTTAGATCAC GAGGCATCCC TGCATGTAAA CTGTTAGGCA CTAACATATG
9301 TCGATCTTAC AAAGCATTAA CTAGAATATT TCTTTAGAGT ATGATAGTAC GTAAC TGACC
9361 TACTATTACA TACAAACAGA CCAACCTTTA GTAACAGCGC TCCCCAAAAA CCGAAAAGCA
9421 GTAATACGCT TTGCTCAAGG TTGGCATAAA ATTAACCTTAC CTTAGTGCCT TTTTCTCTTC
9481 TACCTACAAG CAGTGAGGTT AGCTCTTCCT TTGAAACGGT AGGGGGGCTC TGAAAAGAGC
9541 CTTTGGGTTT GATAGCGTTT CCGGGAGCTC AGATACCTGT CAAATCACTT GCCCTTGGCC

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9601 TTGTGGTGAC TCTCGGTCTT CTTAGGCAGA AGCACGGCCT GGATGTTAGG AAGGACGCCG
9661 CCCTGAGCAA TGGTCACCCG GCCTAGCAGT TTGTTGAGCT CCTCGTCGTT GCGGATGGCC
9721 AGCTGCAAGT GGC GCGGAT GATGCGAGTC TTCTTGTTGT CCGAGCCGC GTTGCCGGCC
9781 AGCTCCAGGA TCTCGGCGGT CAGATACTCT AACACCGCCG CCAGGTACAC CGGCGCGCCT
9841 GCCCCAACCC GCTCTGCGTA GTTGCCTTTA CGGAGCAGGC GGTGCACTCG GCCCACCGGG
9901 AACTGGAGAC CAGCGCGAGA AGAGCGGGAT TTCGCTTTGG CCGAGACTTT GCCTCCTTGC
9961 TTACCACGTC CAGACATTGC AATCAGACAA AAATCACCAA AACCAGCAGC CTAAGCTCAC
10021 GAGAAAACAA ACAAATCAA GAAATATGTA AAACATGGCC GCTTTTATAG GTAGTTCCTG
10081 GGGAGTAAAT CCGACTTTTT GATTGGTCGG TAGCAAATGC TAGTCAGATA GCCAATAGAA
10141 AAGCTGTACT TTCATACCTC ATTTGCATAG CTCTGCCCAC GGATGACAA TGTTAGTTT
10201 GTCTTCCAAT TAACTAAGAG GTACTCTCCA TCCCTCATTA GCATAAAAGC CCTATAAGTA
10261 GCAGAAATCC GCTCTTTTACT TTCGACACAT TTCTGGTGTT TTAAGATGCC TGAGCCAGCC
10321 AAGTCTGCTC CCGCCCCGAA GAAGGGCTCC AAGAAGGCAG TGACCAAAGC GCAGAAAGAA
10381 GATGGCAAGA AGCGCAAGCG CAGCCGCAAG GAGAGTTACT CTGTGTACGT GTACAAGGTG
10441 CTGAAACAGG TCCATCCCGA CACTGGCATC TCTTCCAAGG CCATGGGCAT CATGAATTCT
10501 TTCGTTAACG ACATATTTGA GCGCATCGCG GCGGAGGCTT CCCGCTGGC GCATTACAAC
10561 AAGCGCTCGA CCATCACCTC CAGGGAGATC CAGACGGCCG TGCGCTGCT GCTTCCCGA
10621 GAGCTGGCCA AGCACGCCGT GTCGGAGGGC ACCAAGGCCG TCACCAAGTA CACCAGCTCC
10681 AAGTAAACAT TCCAAGTAAG CGTCTTAACA CCTAACCCCA AAGGCTCTTT TAAGAGCCAC
10741 CCAGATACCC ACTAAAAGAG CTGTGGCCAG ACGCCAAATT TTATTTGGCG GCGGAGGGGT
10801 ATTAGAATGT AGGAACTGGA GAGGGGTGGG GACAAAGTGT GCAGCTTAGA GAGGGACAAA
10861 GGGTCTTGAA CCCGAAAGAA GCCAGCCATT AAAAAATGGG TTGGGGTCAA TTCGTTGTGC
10921 TTAAATTTAA AATGGGGACA AGCGGCCATT TTGCTAACTC GGCGTTCCCG GAAGAAACCG
10981 CAGGCTCGCT TAGGTTTCAG ACCCAGCTGT CTGTCCCTGT CTACGTCGCC AGGATCAACG
11041 GTTGCCGTAA TGTCATAATT TCGCCACCAG CTTCTAGCCA ATAGGCTGTC CTGTCAATTT
11101 AAATATTAAC CAATCGAGGG AAAGCTGTTT TGAGACTCTG ATTTACATAG CGGACCGGAG
11161 TGGGAACCTG GGCAGTAACG GCCTAAGGAA GGACTCCCCC TCTGTTTTCG TTGGCGACAC
11221 CTTCTAGTA TACTGAAGGG TGTGTCTCCT GGGTTTCCAA CTGCCCCGGT AATAGCTTTT
11281 TAACCTAATA TGCGTCAGTT TTGATAACAA CACTAAGGCA GTACAGAACT AAAGATGTAA
11341 GCACTGCGCC AGATGTTGCT TCATACATCT TATTCTATTC AACTGGTTTA TTCAAGATTC
11401 AAATCAAATC AAATTTTGCT TGAATCCCAG TGCTCAGTCA GCCATAAATG GTGTGTTGCC
11461 TGATTGAAAC TTAATAATCTC CGTAGGGGGC TTGTAACATG CAGAAAAAGT TGAAAGTTGC
11521 TTTAGGAGAA GCCAACTCTT AACTGCTGGG TAAATTGACA AGCCTTCGAA CACTGAACTG
11581 AAGGCCAGTA AGGACTAGGC GCTGGGTGGG GGAGAATGAA GAGGAGACGT CATTAACTT
11641 AGCACATACA CTGTGTCTCC TAGAGGACTC TCCCTTCCTA GACAACTGCA GGCCGCTTTG
11701 TGGCCTGGGA AATTCCACAT TCCCTTAAGT ATTTTACTCA TGGTCTTTTC CAGGTAAAGA
11761 TTTTAAGATG AAGGGTTAGA CGTAGTCTAC CTATCTTTTT ATTTCAAGTCT AGAACACGTT
11821 TTTAGCACCT AGAAGTTTGC TTTCTCCATT AAAAAACCGG AATATACAAT AAATAAAATT
11881 AGTGTTAAAG CAGATTTTTA CAACTTAAA TACCATGTAA TTTAGGTTAC AGTTACTTAA
11941 CATAAGGACT GTGTGATCTT AAATCTGCAA TTTCTTTTAC ACCTGGGAAA TAAACTAAGG
12001 CCTGCTTTTG GTGCCAGACA AGGCCTTATA CTTGAACACT GCTGTGCAAT CACAGGCTGC
12061 CTTGCCTAGA TAAC TTATCT GAGAAATCT GATGAGAAAT GAAATTTCCA GAGTCCCTCA
12121 CAAGTAAATT TTTTTTTCTT TTTTTTTTTT TTTGAGACGA AGTTTCTCTC TTGTTTCCCA
12181 GGCTGGAGTG CAATGGCGCG ATCTTGCTC ACAGCAACCT CCGCTCCCG GGTCAAGCC
12241 ATTCTCCTGC CTCAGCTTCC GGAGTAGCTG GGATTACAGG CATGCGCCAC GACACCTGG
12301 CTAATTTTGT ATTTT TAGTA GAGACGAGGT TTCTCCATGT CCGTCAGGCT GGTCTCGAAC
12361 TCCGGACATC AGGTGATCTG CCCGCCCTGG CCTCCCAAAG TCCTGGATTA CAGGCTTGAG
12421 CCACCGCGCC GGGCCTAAAT GGTTTTTTTT TTTTCTATGC CTCTAATGGA CCTGGTCACT
12481 TATTCCCATT CAGACTGACC GCTCTCCTAC CTGCCAACTA ACTAATCAGT GTAACCAAAA
12541 TCTGCAAACA AAATTCAGTA TTCTTTCCCC GCCTTTTCCC CTTTCTCTTA CATAGATTAT
12601 GTTTTTTGCT GTGTTAGATG AAATAATTCT ATTGCTTGTT CTCTCTCTG TACAAGTACC
12661 CAGTAAGCAA ATTATTAAC TCTTGGTCAT TTATTTCTGA ATTTTCCACC AAGACAGTGT
12721 TTATGTGAGT CATACAATAA GAACCAACAG AAATGTGTGT CTTGGAACA GGTGTCTAT
12781 CCCTGGACCC TTTGAGTTTT CTGTTCACTT TCCTTTGGCT TTTGCATGCT AAAAGTTTAT

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12841	CGTCCGCGTT	TGTTTGT	GGTTATTCTA	ATTGGACTTG	GCTGATTGGT	TGCATATTGG
12901	TGGCAGTAGT	AGAATTTGAA	TTCTGGTTTT	CTGGTCACAT	CATTAAGTGA	TTAGTCAGTG
12961	GAGAGGACAG	GAAATCTGGT	TTATTTATTA	ACCTTTTTTT	GGGGTGT	TGTTTGAAGA
13021	TGTTGATATT	CTCTGTGAGG	ACACAGGGTT	AGAGTTGGTG	TTTTTCTTTC	TGACTTTACA
13081	TGGGATTTGA	TGTTTTGTGC	TTGTATGCC	CTTCCACCT	TCCAAAACCT	GTCTTTTTTG
13141	AGTCCAAATA	GTGTGCGATA	TCTGCAAAAC	CAGTATTCCT	GTGTTAAGAT	GATATGAATA
13201	TAAAATGGCT	GCCCTGTTAT	AACTTTTGAC	TTTAAGAAAG	TGTTAGGACT	AACAGGAGAC
13261	AAAAAGGAAA	TCAAGGAAAC	CAATGTCTG	GTCTCAATAA	CTGCTATGGC	AGAGGCTCTA
13321	CAGCTTATTA	TTAATTTTAG	TAATTTTACA	TTATTGCCCC	TTCACGTTCT	TTAAGTAAGG
13381	TTAGAGGACA	GAAGAAACAT	AATGTTGTTA	CAAATGGAC	TATTGAGTCA	GGAAAAAA
13441	AGAGTGCTTT	CAATATCTGA	ATAAAACAAA	GATTTAATAT	TTTCTAAACC	TTAACGAGTT
13501	TATTGTAAGG	GATGTGATGC	TGGAACCTAG	GAAACTAGAA	TTTTCTTCTA	AACTGAGAAT
13561	CAGAATTATT	CATATCTCTCA	GCAGTGGTGC	CACCTGAGGG	ACTTCTGATC	TTAATTACAT
13621	ACTTTTATTT	CTTTAACTGA	TCAACATGCT	AAATAGATAA	CCTATGGCTC	TGTTTTTACC
13681	CACTTTAAAT	TCTGTTCTAT	TAGCACGGTT	AGCTTTCCTA	ATTGGCAATA	AGATTGAGAC
13741	TATCTTTTTT	TTTTTTTTTGA	GACAGAAAT	TGCTCTGTGG	CCCAGGCTGG	GGTGCAGTGG
13801	CACAATCTCG	GCTCACTGCA	ACCTCTGCCT	CCAGGGTTCT	AGCAATTTTC	CTGCCCTCAGC
13861	CTCCCCAGTA	GCTGGGATTA	CAGGTGCACC	ACCACGCCTG	GCTAATTTGT	GCATTTTTAG
13921	TAGAGATGGG	GTTTCGCCAT	GTTGGCCAAA	CTGGTCTCGA	ACTCAGGTGA	TCCACCTCGG
13981	CCTCCCAAAG	TGATGAGATT	ACAGGCGTGA	GCCACCGTGC	CCAGAAAAGA	CTATCTTATT
14041	TTATGAATTT	AAATAATTGT	GAAATTTATCC	ACTTAAGGGA	ATTAATAAAT	TATAATGTAA
14101	TCTTAAATTT	TAGTTGGCTT	ACATAAAGAC	TTAAAAATACA	TCAATTTAAA	TAAAAACTCA
14161	TTTGTCTAAA	AAAAAATCAA	AAATTTTCCT	TGTGCTTTAA	ATGTGCTACC	TCTTTAAGTT
14221	CTAATTAAGA	GAAAAAAGT	TTAACTGTGA	GTTTCATTAG	TGGTCTTAGT	TAACAGCTTA
14281	AAGTATTTTG	TAAAAAAAT	ACTTCACAA	TTTTAAATAA	CTTAAAAATA	TTAATACCTC
14341	TTTTTATTAGG	TTTTTTTAA	AAGGAAAAA	TATAATACAT	CTAATCAAGA	TTATTTTTTG
14401	GACAAATTGG	CTTAATAATT	TCATTTTAAA	AATGGCTTCT	TTATTCTTAT	ACTGTAAAAA
14461	TAATATTAGC	AGAATATTAT	AGTATACACA	AGTTTAGGGT	TCATATTCTA	AAAAACAAAA
14521	ACAAAAGCTA	ATTTAACCTG	CATTTACTAA	ATTTCTTCCA	CTAGTTGTAC	TGGTTACATG
14581	AGTTAACATC	ACTTTATTTA	TTATTCTAAA	ATTGTAAATT	ATTCATTGAA	CCAAATTAAA
14641	TGATAATAGA	TAATGTCATT	TTTAAAAATG	GAATTAAATT	TTATGTTACT	AATTATAAGG
14701	ATTCAATGTG	TGAGCTTAAG	TACTGAGTTC	ACAGTGTATG	ATAACTTTAA	GAATTTAGGT
14761	GAATATTATT	AAATTGAGTA	AATTAATTCT	CAATCTTTGG	ATACCTGGAC	AATTTCTAAA
14821	TTGGAGGGTA	CAAAATACAA	ATCACAAGAA	ACAGTGTAGT	TTTATGCAAA	TAACATTTTT
14881	ACACAGTTTA	GAATAACCAT	TGATAAACAG	ATAAGAGAAC	ATATGATTGC	CTTAGAATAG
14941	ATACTGTTGC	TTTCGCCACT	TTAGATTTGT	AAATCATGTA	CTGTATACGT	GTGGGCGTAG
15001	AGGACCATGC	AGGTTTTTGA	TGACTGCCCT	TGTTTTTCGT	ATGCCATATG	GGGAACACAA
15061	TTGCCTGCTT	TGTTTAAGGG	CTATGGTTAA	TCCAAACAGC	TCTGACTCTA	TCAAGTACTA
15121	TAGCTACAGA	GAAACACAAG	TAAGCATTCT	AGATAATGAC	TACCTTGAGC	CTTTACTTAT
15181	TTAAAAAGTT	GTTACTGTTT	GTAAATGTGG	TACATTCAAT	TTACTATGGA	TTGTCACTCT
15241	AAAATAAGAC	TTCAATCTTT	TTCTTATTTT	TATATAGCCA	TGATTTATAT	TCATATCTTA
15301	ATGTAATAAC	CAATCTTCTC	TGACAACATT	ATAACAATGC	TGGAACCTCC	ATTTTCAGTA
15361	CTTCAAACAA	CAAATACTGC	TTTTTATACT	CAGAGCAGAT	GGATATGTGC	TTCCCAGTGT
15421	AAACACATTT	GGAATCTCAC	TGAGAAATAC	ACTATCACTA	AAAATACAGT	TCTGAGATTCT
15481	ATTAAAAGAC	CTCCAGAATT	CTGGAAGTAG	GAAGTTTCCT	CTTCAAAGTC	TACAGAGGAA
15541	GACGAGGTCT	GAAATAGACA	GCTTCTTCCT	TCTTTTACCT	GTGGTATTAT	TCTGTTTTGT
15601	CCTTTTCTCC	ATTATCTGTC	TTTCCAGTGA	TGAAATTTTG	ATCTGGCCCT	CCCAAGTATT
15661	AAAAAACAAG	CAAATAAACA	AATCTCAGTT	ATATTTTACT	AAGATATTGG	CATGCTAACT
15721	TTTTGCAGGT	TTGTAACAAG	GACCTTTATA	ACTTGACTAA	AAGTTCCTAA	ATAAGAATAT
15781	TTACTAGAAA	ATTTATTTCT	GCCTGTGGCC	CACATTTGAG	TCAAAATAAT	CAATTAGGAA
15841	AAATGAACCT	GTTTAACTAA	AGTTGGCCAA	ACTGATCTTT	GAGACCTATT	CATCTAAGAC
15901	AAGCCAATTA	AATTCCTTGA	GACAATTTGT	ACTTTAAGGA	ATTCTTATAA	TATTTGTAAT
15961	TACCCCTCATA	ACTTTTTTTT	TGCCCTACTT	CTGTGCTTCT	CTAATATGCA	GATTATTAAA
16021	TGTTGTTACA	AAGCCATTGT	CAAAAAACA	AAAAACAAAA	AACTAAACAA	ACTCACATGG

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19321 ATTCTTTTTT TATGTATATT ATATATACTC ATATTTCATAT ATACATATAT CTCACATCAT
19381 GTATCATATA TAAAATAAAT TTAGGTGTCA TGATATATAT TTAGATAAAAT ATACTTAGAA
19441 ACTTTTTTAT GGATGTATAA TTTATGGATA TATTGATAAT TATGTATTTG TTATTGACTA
19501 CTTCAATTGA TTCCCATTTT TATGCATTAT ATTATAGATT ATATAGCTCA CACATCTTTG
19561 TACATAAATC TTTGTTCAAA TATTATTTCC TAAGGATAGA CTTCATGAAG TGGAAATACT
19621 AAATCAAAAG TGA AAAACAT TTTCTAAGGT TCTTAACATA TACATTGCCA AATTGCTATT
19681 CAGGATCATA CCAATTTATA ATCCCAAAT AATATGAAAA TTCCTGTTTT ATAGCACTCA
19741 TATTTACAAT AAATTTTAAA AATCACTGTT AACCTAATAG TCCTTCAAAA GAAAAAAAAA
19801 TTGAAATTAC ATTATTTTAA TGACTCTATT AGTGAGGGTC ATTCTTCCCA TGTTCCTTGT
19861 TAGCCATGAC CCTATAAGAA ATAAACTGCA CTGCAAAATG ATAAACATGA TATCAATCAT
19921 TACATGGGAA GGCACATAT AAAGAATAAT ACCTTAGGTT AAGGCCACAT AAATATTTAT
19981 CAGGTGCCTT TTCTGCGGAG GACTCTGAAG GGATACTAAA CTGCATTTAG CTGCATGCAA
20041 CTGAAATTAC TTTTACCTAC ATTGTCTCTT ATAAACATTA TAACCTACTCT TTGAGAAAAGT
20101 GTTTACTATG GACTGAATTG TCTCCCATC CCCCCAAAT CATATATTGA AGCCATAAAC
20161 CCCAATATGA CTCTATTCCT AGACAGGACT TATAAGAGGT AATTAAAGGT AAATGAGGTC
20221 ATTAGGATGG GTTCCTAACT GGATAGGATT GGTGGCCTTA TAAGAAGAGG AAGATTCTGC
20281 ACTTGGTCTT CCAAATTTAA TAATTTATTT AAAAGAAAAA AAAAAAAGA GGAAGAGAGG
20341 GAGCTCTGCA CATATACTGA GGAAAGGCTA TGTGAGCTCT CACAGTGAGA AGGTAGCACT
20401 CTACAAGCCA GCAAGAGAGC CCTCACCAGA ATCCAGCCAT GCTATACCTT GCTCTGAGAC
20461 TTCCAGCCTC CAGAACTGTG ATAAAATTTT GTTGTTTTAAA CCACACAATC TATGGTATTT
20521 TTTTATGGCA GCCCAAGCCA ACAAAGACAG CATCATTGCT GTCACCTTACA GACAAGAAAA
20581 CTAAGACTAG GAGAGAGAAA AGTTAAACTT GTCCAAGGTC ACAAAGCCA GAAACAAGTG
20641 AGGTGAGAAG TTGACCTTGT TCTCCTCAAT CCAAGGCCAG GACTCCTCCA CTCCACATGT
20701 AGATAGCCAC CTCACAGTCA ACAGCCAAAT GTCCACACCC CAGAGTCAGC ATTAGACCAA
20761 GATGTCTTAC CAGGAGACAA ATGCCCTCAT TTGAATAAAT ATGTTCTAAC AACTTACCCA
20821 TGTAAAACAT TGAATCTCAT GAGAAACAAA AATGCAAAGT ATGTAGAAAA CTATGTTTAC
20881 CACTTAACATG ACAGTGATAA AAAGCTTAAT GATATCCTTA TAGTCTTGGA GGGTTTTGTA
20941 TATGTGGTGA AACAGGTGCT CACGCACATG TGATAGACTG TAAATTGGTC CTAGAGAGAA
21001 AAATAAATAA ACTGGAAGGA GTTATGCTGT ATGTTTACTT TTTTTATGGA AACATATGAT
21061 ATACCTGGAA ATTCGATTGG CCATGCATCT ATTTCTTCAA TGGGTATGCA CAGTTGAGCT
21121 GTTCCCATGC ACCAGGCACT GTAATGGGAC AACTGCACAT GACAGTCAA AATCTCAGTC
21181 TCATGAAGTC GACATGCTCA TGGAGAGGTG CTACCCACTA AACTAATATT TGTATATCAA
21241 TTATGGATAC ATTGGGCCAC ATTTACAGAA ATTCACCTAC AGTGGGTTAC CAGAAGGGAT
21301 TTTTTTTCTT GATTGGCAAG AAGGCTAGGC TGTTTTGTG GGGGCTGGCA GGAGCTGTCT
21361 AGGCTGCCCA AGTATGCAGG TCTCTTCTAT CATCCTGTGT TAACCATCTT CCATGTATCT
21421 TTCAACCTCA TGGTCATCTG CAGCATGTCT AGGGGTCATA TCTATGTTCC ATGCAGGAAA
21481 AAAGGGTAAA GGGAAAGGGA AGTAGGCATG TACCATTTTA ATGCACACCT TGGTTTTTCA
21541 AAAATTTAAG AAGAAAGACT TTCTGCTTTT CTCTGACTAT TCTGTATTCT GGATTACAAC
21601 GCAACAGAAA CGTCACCTTA AATTCTAATG TTTTCTCTC CTTGCTTTCA AAAACTGACT
21661 CATTAACCTC CACGTGGCTT GGAAAAATTA TTTTCAGTCAT CCAGTAATGA GCTGTTTATA
21721 GAAATGTTTT GGACATCAAG TCTGTGTTGT TAGCATTATA CATGTTAAGC ATTGAATAAA
21781 AAACAACATG ATGTGGGTAC ATTTCTTTTAC TTACATATAA GTACTTATAT ACTTATAGCT
21841 GAAAAGAGAG GTTGAAATGT CAGGTGGAAC AGAAATAAGA TTACCTAGAT GTTCTCCTTA
21901 TGGGTGATTT TCAGCTATGC TGATCTTTCT TCTGGGTCAG GTACTCCAG AACTTCTTAA
21961 TTAAATGGTG GCCCTGATCT TAGTTCCCTCT CTCCCTTAG ACATTTTCCA GGACTACAGA
22021 AGATGTGCAG TTTATAAATG AGTAGCAGAA ACCTACTGAA CAAATTATTC AGGCTCATCT
22081 GAACAGAGAG GACACCTTCT CTGCTATACT CTCTCAGTGA TTTCCCTGCC TTGGGGTCAA
22141 TTATTGTCTT GGACATTGAT TTAAGCACAT AATAATTGTT GTCATTGCTT ATGTTTGGAT
22201 TTCATCTCCC AAAATAGATG GTAAATCTT TAGTTTAGAG ACCAAGTAAT ACTTACAAAA
22261 AAATTTTGTG TGTGTGTGTG TGTTTTTTCT GTGTCTCTCA GCCCTGTAAT AGCATCGTAC
22321 TTACACTTGT TAGATTTTTA GAGACAACTT TTACAAAACA TGAATTATC TACATACCCT
22381 TTCTACAAAA CAGACAAATT AAATACTCAG TAGTTGAACC AAAAAAGCA GTTCAAAATA
22441 AATACTTGAA AATGAAGAAA TCATTTGAAC AGAGTTAAAG TTAATCGTAA AATAATGTCT
22501 GTAAAAATTA TTGCAATCA AATATAAAGT TCAAAAATAG TGCTTGAAAA AGGAAGAATC

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22561 ATATGAAAAG GGACTACTCA TTTTAAAAAT GTTAGATATC AGGAAAAGCC AAGAAGTGAG  
22621 TATGGTAAGA GTGCTGTCAA GTGAAACCC TCTAATCTCA CTGAACATGT AAAAATCTGT  
22681 AGATGCCCTTT ATTTTATTCA CTCACACACA TATGTAGAAA GAGAAATATA TGGTAAACAT  
22741 TAAAAAAAAC AAATTAGAAT GTAAAAATTAA TACTTTAAAA AATGGGCTGT ATACTTTTCT  
22801 TATCACCGGA GATAAGAATT TATTATTTTTT AAAATAAAGT TATTTTCTCT GTGACTGTTT  
22861 CCATGACTTT GCTACTTAGA AGTTAGAGAT GCCAAAAGTT ATCTAAGAAA ATGTTTATGG  
22921 AAATATTATT TCAATAATGA ATGTTTAGAA GACTGAATTT CCTGACTGGG CACAGTGGCT  
22981 CATGCCGTGA ATCCCAGCAC TTTGAGAGGC TGAAGAAGGA GGATCGCTTG AGTCCGGGAG  
23041 TTCAAGAGCA TCCTGGGCAA CACAGCGAGA CCCTGCAGCA AAGTAAAAAG AAAAAAGAAT  
23101 TGAAAAAGGA AGACTGAATT TCCTTTGGGC AAGTCATGTG ACATTCTCTG GCCTCAGTTT  
23161 CTTCATCTAT AAAGTTAATT CCTACATTTT TGGGGAAGGG AGAGAAAAAC TTAGGATAGT  
23221 GATTGGCACA GAAGAAGCAC TATATACTAT ATATATGTGG ATATCATTTG TTTTATGGT  
23281 ACCATTTTAG CTATCTAATG CAAAATATGA ATCTTTTTTT TCTGGGTCTT AAATTATGGA  
23341 ATGTAAGAAT TTTCTAAATT CTCTAAATCT GTGTTAGTTT TAAAGCAATG GAGTAACGTA  
23401 TCTGTCAACT TGTAAATATA AGGATCAACC TGATCCACAA TTTGACCCCT AGCCACTAAT  
23461 ATTTAATAGT ACAACACTCA GAAATTATCA AAGGTCAGAG AAGCCAAACA AATGTAAAAA  
23521 CATACAGGTG CTCAGAAAGA TGCACCTGTA ATCTCTCTAA GGAGAAATAT TTTCCAAACT  
23581 GAGTGACACG GTGCTTTTAGT GAGTTGTGGA ATCAATCTCA TGATTTCCAA CCTAGTGTTC  
23641 TTTTAAAAAT GAACTAGTCC ACAGTAGAAT ATACTAAAGT GCTGGTGCTT AAGATAGTAT  
23701 TGTTTTCTCG AAAAAAATAA AAAATTTTTT TTTTGTGAGA CAGGGTCTCG CTCTTGCCCA  
23761 GGCTGAAGTG CAGTGGCACA ATCATGCTCA CTGCAGCCTT GACCTCCTGG GCCCAAGTGA  
23821 TTCTCCCACC TCAGCCTTTT GAGTAAGTGG GACCACAGGT ACGTGCCACC ACACCCGGGT  
23881 AATTTT'TTAA TTGTAGAGAC AGGGTCTTGC TATGTGCTTA GGCTGGCCTT GTGAAGTCTT  
23941 GGGCTCTAGT GATCCACTAG CCTCAGCCTC CCAAATTTAT GGGATTATAG GCATGAGCCA  
24001 CCCTACCTGG CCTGTTCCCT GAATTTTTTT TTCTTTCAGG TGTGTGTGCA TATGTGTGTG  
24061 TGTATGGGTA TAACAGAGAG ACAGAGAGAA AGAACTTTT CTATCACACT TTGCAATCAG  
24121 AAGTTTGAAG TCTTATCTTT TGGCTTTTGT TTCAGAAATA TTTCAAATGT AGACTCTCTC  
24181 CTTTACCACA CTGTCCCCCT AGGCAAGGTC TTTGCCATTC TTCTGAGACT ATTGCAACAG  
24241 ACTCCCAACT TCTGACTGTG GGCCCTTCTC AAAAATGATT GTTTATGCAA TAAATCTAAA  
24301 CCAAGACAAA CTACAACAAT ACAACAAATT CTCTGCTTAA AAACCTCCAA TGTCTGCCGG  
24361 GCGCGGCGGC TCACGCATGT ATTCCCAGCA CTTTGGAGGC AGAGGCGGGC AGATCACTTG  
24421 AGGTGGGGAG TTCGAGACTA GCCTGGCCAA CATGATGAAA CCCCATCTCT ACTAAAAATA  
24481 CAAAAATTA GCCAGGCATG GTGGTGGGCG CCTATAATCC CAGCTAATTG GGAGGCTGAG  
24541 GCAGGAGAAT TGCCTGAACC TGGGAGGTGG AGGTTGCACT GAGCCAAGAT CACACCATTG  
24601 CACTCCAGCC TGGGCAACAA GAGCAAAACT CTGTCTCAAA CCAAACCAA ACAAACTTC  
24661 TAATATCTAC CAAATGTTTC ACACAAGTAT TTGGGGATCT TCACAAATGG CCCTTATGGA  
24721 GTTTTCTCTT GCTGAGACCC TATGCTCTGG CCACACTAAA CTCATTCAGC ATCCCAGAAA  
24781 GGCTTCAGCC TTTGTGAGCA AGCTCTTATC TCCAGGCCTC TCACAAAGAC CTGTTCCAGT  
24841 AGAAGCTCAG GGGAGCACAC TGGACATTAT TCCAACAACC CTTTCCCCAC AGCTATGCAG  
24901 CCAAATCTGC CAGCTCAGTT AATTAAATTAA GCAATTCAGA GATGAGGGTC TGCCCAGGCT  
24961 GGAGTGCAGT AGCTGCGACC TCAAGCTCCT GGGCTCTAAG TGATCCTCTT CAGTCTACCC  
25021 AGAAGCTGGG ACTGCAGGCA TGTGCCACCA CACCCAGCTA ATTTTTTTTT TTTTCAGTAG  
25081 GGACCAGGCC AACCTAGTCT TGAACCTCTG GCCTCCAGCC TTCCGAAGTG CTGTAATTAC  
25141 AGGCATGAAT CACTGCGCCC AGCCAACCCG CCCAGTCTTG TTAGACATGG GGTCTGTAGT  
25201 TTCTAGTAGG TTCTTGAGTC TAGGGTTTCT ACCTCATGTT TTATAGTTAA TTTAGGGGAG  
25261 GGACTGTGTG TGTTTATCTG GGGATGTAGG GGTGGGCAGG GGGATAGAGG GGAATTCAAT  
25321 TAATGAAACC AGAAGCAAAA CTCAGTTTGA GACACCGGTC ATGAGAGTGG CCTGATTATG  
25381 GCCAATCTTA CATAATGTGT GAGATCTTGA TATTACCCCA TCCTTGAGAG TCCTCTATAA  
25441 AGCTACAGGG ACTTGGGAGC ACCTTTAATT ACAGACAACC CATGTTCTCT TGGATTATGA  
25501 TTTATTAGAT TGCACATGCC TAAATAAAGA CATCCTCTGC AGTCTTTTGA CAATTCTATA  
25561 AGCATCTTCT GACTCCGCAA TTAGACAGCT AAGAGATCTG TGTTACTTCC CTCACATATA  
25621 TAAATAATTT TAAATAAATA TCATGGCGTG AATAATTTCT TTCTCTACC GATTTGAAGC  
25681 TATCCATTTG GAAGACCAC CTGAAGAGAT GAAATAAGTC TTCTGCCAAA GATTACTTAT  
25741 TAATTTACAA GGAAAAGGGG AAGTTTTGTT CCTCTCCGTG AATTGATTG AAAATCGAGG

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25801	GCTTTCTCGA	ATAGTTTGG	CATCCAGGGT	CATTTTTCAT	TAAAAAGAGA	AAAGTCATGT
25861	CAAATATGAA	TTTCCGAGA	TTATTACAGCA	CTAGACCCTG	GGAGATTCTG	TAAAGAGGGG
25921	TTTTGTATA	CTCAACTTTT	CCGGGTAAAA	CAAACACAAA	TACTCCTCCT	CCAAGGGGCG
25981	GGGGCGGTGC	CTAGGTGATG	CACCAATCAC	AGCGCGCCCT	ACCCTATATA	AGGCCCCGAG
26041	GCCGCCCGGG	TGTTTCATGC	TTTTCGCTGG	TTATTACATC	TTGCGTTTCT	CTGTTGTTAT
26101	GTCTGAAACC	GTGCCTGCAG	CTTCTGCCAG	TGCTGGTCTA	GCCGCTATGG	AGAAACTTCC
26161	AACCAAGAAG	CGAGGGAGGA	AGCCGGCTGG	CTTGATAAGT	GCAAGTCGCA	AAGTGCCGAA
26221	CCTCTCTGTG	TCCAAGTTGA	TCACCGAGGC	CCTTTCAGTG	TCACAGGAAC	GAGTAGGTAT
26281	GTCTTTGGTT	GCGCTCAAGA	AGGCATTGGC	CGCTGCTGGC	TACGACGTAG	AGAAGAATAA
26341	CAGCCGCATC	AAACTGTCCC	TCAAGAGCCT	AGTGAACAAG	GGAATCCTGG	TGCAAACCAG
26401	GGGTACTGGT	GCTTCCGGTT	CCTTTAAGCT	TAGTAAGAAG	GTGATTCCCTA	AATCTACCAG
26461	AAGCAAGGCT	AAAAAGTCAG	TTTCTGCCAA	GACCAAGAAG	CTGGTTTTAT	CCAGGGACTC
26521	CAAGTCACCA	AAGACTGCTA	AAACCAATAA	GAGAGCCAAG	AAGCCGAGAG	CGACAACCTC
26581	TAAACTGTGT	AGGAGCGGGA	GAAAAGGCTAA	AGGAGCCAAG	GGTAAGCAAA	AGCAGAAGAG
26641	CCAGTGAAAG	GCAAGGGCTT	CGAAGTCAAA	ATTGACCCAA	CATCATGAAG	TTAATGTTAG
26701	AAAGGCCACA	TCTAAGAAGT	AAAGAGCTTT	CCGGGAGGCC	AATTTGGAAG	GAACCCAAAG
26761	GCTCTTTTAA	GAGCCACCCA	CATTATTTTA	AGATGGCGTA	ACACTGGAAA	CAAGTTTCTG
26821	TGACAGTTAT	CTATAGGTTT	AAGTTGTGAT	GCAGCTGAGT	TGAAAAGGCT	TGAGATTGGA
26881	GAATTAATTC	AGGCCAGGCT	TCAAGACCAT	CCTGGGCAAC	ATAGCCAGAC	TACCATCTAT
26941	ACCAGGGGTC	CTCATTCCCC	CGGCCACCGA	CCGGTAACCG	GTCCCTGTCC	ATGGCACGTT
27001	ATGAATTGAG	CCGCACAGCT	GAGGGGTGAG	CGAACATTAA	CCAACGTAGC	TCCACCGCCT
27061	GTCAGGTTAG	CTGCAGCATT	AGATAGATTC	TCATAAGCTC	AAACTGTATT	GTGAATGGCA
27121	CATGCAAGGG	ATCTAGGTTT	CAGGCTCCTT	GTGACAATCT	AATGCCTGAT	GATCTGAGGT
27181	TGGAGCAGTT	TTAGTCCGGA	AATCATTGCT	CCCAGCCCCCT	GCACCCCCTG	GTCCGTGGTA
27241	TAATTGTCTT	ACACAAAACG	GTCTCTTGTG	TCAAAAAGGT	TGGAGACTAC	TGGTTTTACA
27301	AAAAAGTAAA	TTAGTCAAGC	ATGGTTGGCA	CGCTCCCTTA	GTCCCTGCAC	CCAGGCGTTT
27361	AAGGATACAG	TGAGCTATGA	TGGTGCTACC	TCCTCCAGC	CTGGGTGACA	GCGAGTCAGA
27421	CGTTGTCTCA	AAACTTAAAA	AAAAAAAAG	TTAAAAACAGA	AAAAGGGCTT	CTTGTCAGAG
27481	ACTGCCGTAT	ATCTAGAGGT	CCAGGAACCTA	AAAAGTCTGA	TGTCCAATCC	TGAAAAGCTC
27541	GATGGTGCAC	TAGAGGAGGC	TTTTACATGT	AAGAGCATCT	AAGTTCTGGA	AATGCCAGTG
27601	TCAGGGAAGG	GAGTGGGAGA	GCAATTTGGC	ATCCAAACAT	AACTTGCTGA	TACTTTTTTTT
27661	TTTTTTTAA	CAAGTACTAC	ATTCTAGTCT	TTCTGTGGTG	TCATTGTAAC	TATTGTTTCT
27721	TAATATGCTA	TCCACTGACT	TCAAGGGATC	AATAAATAGG	AATCAAGGTG	TCCAGAATA
27781	TGGATTAGGG	GAGTTTTTTT	TTTGTGTTTG	TTGTGTTGTG	TTTCATCTAT	TCATTATCCT
27841	GTAGCTGAAA	TTTAGAATTT	TCTTCCATTG	TGTGTGACTG	ATAGAAATAA	CAAATTTGTA
27901	GGTTATAGTT	GTTGCAAGAA	TCTGGAAATC	GTGCTTGCTT	ATTTCCGAAG	TACTATTAGG
27961	TATATCAACA	AAAACACACA	TATTACGGTC	AAGTGGTTTG	ATAATTATTT	TAATATTATT
28021	GGTCTAATAC	AATTGTAAAC	CTATGAATTA	CTTTAAGTAT	CTTATTTATG	AAAAGAATCT
28081	GTAAGTTTCA	TCAAACCTACC	AGAGCATACC	GAAGACTGAA	AAATTTTAAAG	AATCCAAACC
28141	TTAATGGAAA	TGTTGGAGGC	TGCCCAATTA	GGTTCTGAAT	TCCACCTTCC	TGAATCACAA
28201	ACTTGTTTTA	ACTCTCAGTC	TGAGGTAAAC	TACGTTTCTC	TTTAAACAGA	CATAGTTTAA
28261	TTTTCCTTTG	ATTTTGTGAT	TAGTATCTTT	ACTGATCATC	ATAAATAACC	AATGCTAATG
28321	TTAGTCTACT	TTGGACCATG	GTATTTTCGAG	AACTTTTGAA	CAAAGTCCCC	TGCAAAACTA
28381	TGCATTGCAT	TATTTACAT	ACATTTATGT	TTTCCAGACG	GTTCAATAGT	ACCTCACTTT
28441	TCTGAACCTA	TTTGTATAGT	TTGGCATCTT	TTTAAAAATT	GTGTCTCTATA	ATGAAAGGTT
28501	GTAAACATTA	TGTTTAAAT	TTGTATAGAT	AAAATCAACC	ACAGACCTTT	CCTTGCTTGG
28561	ATGTAATTGC	CATTGTTTCC	CAATGAGTTC	GGAATTACTA	GGATTGTGCA	AAAATATGCC
28621	TCACTTGCCCT	GACATAGCAG	AGAGCCATTT	TGCCTAAATG	CTGTGCCCAG	CAATGGACTG
28681	TCACCAGATT	CTCATCACAT	ACAGTGAGGA	TGAACAACTA	GCCTCTCCCA	GCAGCTGGCC
28741	GGTCTCTCAA	TAATATGGGA	CTCCCTCAAG	ATGGCTTCCT	GCACCTTTGC	TCCTCTAGCC
28801	TTGTATGTAT	ACAAGGCTAG	CATGCCCTGGC	ATACATAAGG	TTAAAAACAA	AATCAATAAG
28861	TTATGGTTCT	TCCTCCAGTT	CTGGGGATTA	TTAGACCACT	TTTTTGTTTT	GTTTTGTTTT
28921	GGATGGAGCC	TCGCTCTGTC	ACCCAGGCTA	GAGTGCAGTG	GCACAATCTC	GGTTCAGTGC
28981	AACCTCTGCC	TCCTGGGTTT	AAGCAGTTCT	CTGGCTCAGC	CTCCACGTA	GCTGGGATTA

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29041 CAGGTGCCCC CCACCACGCC CAGCTAATTT TTGTATTTTT AGTAGACGGG GTTTCACCAT  
29101 CTTGGCCAGG CTGGTCTTGA ACGCCAGACC TCGTGATCCA CCCACCTTGG CCTACCAAAC  
29161 TGCTGGGAAT ACAGGCGTGA GCCACCGCGC CCGGACTTAG ACCACTTTGT TTTGGCCAAT  
29221 AGGACAACAG CCATAGAACC CTCCGCAAT GAGAGCTTGT CCCTAAAGAT GCTTTATTTA  
29281 CATAGCTGTG TGCCGCATGA GCCAAAAGGT GATAACCTTT GTTCAACACG CGCCTCCAGC  
29341 CCTTCGGTTA AGTCCAAAGT ACCATTCTTA GAATGCTCTA AAATACATAA TTTTTTTTTT  
29401 TTTTTTTTTT TTTTGTAGGA GTCTCTCTCT GTCTCCAGG CTGGAGGGGA GTGGCGCGAT  
29461 CTCGGCTCAC TGCAATCTCT GCTTCCGGGC TAGCTGGGCC TACAGGTGCA GACCACCACG  
29521 CCCGGCTAAG TTTTGTATTT TTTTGTGGTAG AGGGGGTTTC ACCATTTTGG CCAGGCTGGT  
29581 CTCGATTCTT TGATCTCAAG TGATACACTA GCTTTGGCCT CCCAAAGTGC TGGGATTACA  
29641 GTCGTGAGCC ACTGCGCCCA GCAAAATGCT TTTTGTGGAG CCAATCACTT TATTAGCGCT  
29701 TACCTCTCTA TGCCTACTTT ATGCTTTGAA ATTTTGTAC AGTGGGGCCG GTCATGGCAA  
29761 ACACAATTCA TTCTTATGCA GGCTGTCACG GTTATTTCTG TCATCCAAAC TCATTCTCGC  
29821 AACGCATTTT AGCTCTTTAA ACGACTTTGT GAGCGGCCCT GAAAAGGGCC TTTGGGTTTT  
29881 TTTGTTTTTT TTTTTTGAAG TTCTCAGGAG ACCGCGTATT CTTAGATTCA GCCGCCGAAG  
29941 CCATACAGAG TGCGCCCCTG ACGTTTCAGG GCATATACTA CATCCATGGC TGTGACAGTT  
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30061 TTAAGCACAC CTCGAGTCTC CTCATAGATA AGACCGGAAA TGCGCTTGAC GCCACCGCGC  
30121 CGAGCCAAAC GCGCGATAGC CGGTTTTGTA ATGCCCTGGA TGTATCCCCG GAGCACCTTA  
30181 CGATGGCGCT TAGCACCACC CTTCCCCAAG CCTTTTCCGC CTTTGGCCGC ACCAGACATG  
30241 ATTCCTATCG CAGTGGAAGG TATGAACTGA AACAGTTCCT TAAATACAAA CTTGGCGGAC  
30301 CTGATTGAAA ACAACATGAG TTGGCGCGGT TTTTTTTTTT TTTCAAATTT GGTCAACGAG  
30361 TGGGTGGAGC AAGAAAAACT GTTTCATTAT GGTTCATTGT TTTGATTGGC CAGTGACAGC  
30421 TTGCTCTTTG TGGGAGTGGA AGGGTGTGTG CAAGTTGAAT GCGCTGTATT CCTGTGAGCT  
30481 TAATGACGCT AAGCATAGCC CCATTCCACA TTTCTTTTTT TTTCCACTTG CTAACATAA  
30541 AATTACGGAA TAGTTTATTG GGAACATAC AAATAATGTT TAAAGGAGGT CAGATTTATA  
30601 GGTCAGGGA TTTACCCTCC CAATCATTTT AATATTTTTT TTTAAACCAG GCATTTTGAT  
30661 GGCCTTCTCT GTGCTGGACA AGGTATAAGT TTGGCTATGA AGTTTCACTC CTAAAGACCC  
30721 TATGTTTTTG GAAGGCAAAA AGGTAGCCAA ATAATTGCAA ATTAAAACCT CATAAGTGCA  
30781 AACTTCTTCC TCGTCACTTT CCTATCTCG ATTCAAATAT TTGTTGAATG ACTCATTTTT  
30841 CTGCAAAAGT CTGAGAGAGA CAGGGAATAT AAACCTAAGT CTGGATAATA TGTTTTCCCG  
30901 GGACGCTCTT CCTGGTCTGC TGTGCCGTGT TGCTGTGCCT GAAATTCCAA ACACTCTTCC  
30961 CTTCCCTCCG TTTTAAATCC CTTTCAACT TGCTACAGCT TTAGAGAAAA GAACATACGT  
31021 TTTGTACAGT TGGGGATTAA TTGAAGTGA GGGCTAATAC TTGATTAAG TCATTACAAA  
31081 ATCTACAGGG TCTTCTCTG GGAGGTTTTT GTGATAAGAT TATTGGTGT AAAATAAGGC  
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31201 GGACTTCTCA ATTCAAAATT TTATTCTTAG CTTCCTGTGG GAGCTTTCCA GAATGCCCAT  
31261 AAGATCCACT TTTGTTTAAA AAACAAAAC AACCCACCC ACCACTCTCT GGTAAATAAA  
31321 TGAATTTCTA TTGGGAATAT TTAGAATGGG GCTGTGGCCT GTGAGAGACA TTATATAGTA  
31381 ACCTCAGACT TGCTCACATG AAGAGAAGAA ATCCAGGAAT GGAGAAAAAA GACCCAGGAA  
31441 AGGCCAGAA GCTCTACATG TCATATTGTT TGTATCACTT CTGAAATAAT TGATTACATT  
31501 CTTCTGCCCC AAATTGAGTT CTTAGGTTCT TCCACTCACT GTCCACATGC CACAACACAG  
31561 ACCTTATAAC TAGAGACTTA GCTAGGAAGA AATGTCAAAC ATTACAGAGA AAAAATGCAG  
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31681 AAAATATAGC AGCATATGCA ATATGATAAT TCTCTGAAAA CATAATCAT GTGAACATACC  
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31801 TTTATTTTGC CTATTATATC ATTTATAAAA CCCCATTTTT ATTTTGATAT TTTATTTACT  
31861 TTCTATTTCC TGCTCCTAAT ATCTCCTTTC TAACTTTTTC TCAATGACAG TGAATCAAAA  
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32101 CCATCAGATC AAACCTCATC ATTGAACAAG AGACCTAAGC CCTTCAGATT AAAACTCTGC  
32161 AAACAAGTTG TGGTTGAGAG GATACATGAA GCATTCAAAC AAATAAATCT ATGATATTAA  
32221 TCAGAGGTTA ATCTATGATA TTAATCAGAG GTTAATGCAG TGGCTCACGG CTGTAATCCC

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32281 AGCACTTCAG GAGGCTGAGT TGGGAGAATC GCTTGAGCTC AGGAGTTCAA GACCATTTTG
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32401 ATAAATTGTC CAGAACTACC CTCCACAAAC TAACTCTCTC AGAATATTCG ATATGAGGAA
32461 TGAAATATGG TGTGTGTGTG TGTGTGTGTG TATGTGTGTG TGTGTGTGTG TGTATGCACC
32521 TATATATGGC ACCTATATAT TCAACAAACA ATTCTGATAA TTGGCCAGGG TTGAGAATGA
32581 CTAGCAGCCC AGCATACACT ATCAGTTTTA AGTATATAAT TGCCTTTAG TAAAATGTAA
32641 AGAAATCCCA GAGTAGAAAT ACTTTTAAGC TATATTACAG GTGAGAAAAT GCATAAGTAT
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32761 TTGGGGACAT CACCACTGGT CTTGGGCAAG AAACCTCCTCT AGCCAATGGC TGATTTATCT
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33061 TTGCACCTCC TAGGCTTGCT GTCTTGTGT AGATATCTGG ACAGAAAAT TCTTTTCTTT TTTTAAGATT
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33301 GGGACTACAG GTGTGCACAA CCACACCTGA CTAATTTTGT TTATTTGTTT GTTTTGTTTT
33361 TTGAGATGGA GTTTCGCTCT TGTGCCCAG GCTGGAGTGC AATGGCGGGA TCTCGGCTCA
33421 CCGCAACCTC TACCTCCCAG GTTCAAGCAA TTCTCCTGCC TCAGCCTCCC GAGTAGCTGG
33481 GATTACAGGC ATGCATCACC ACGCCAGCT AATTTTGTAT TTTTAGTAGA GACGGGGTTT
33541 CTCCATGTTG AGGCTGGTCT GGAACCTCTG ACCTCAGGTG ATCTGCCCCG CTGCGCCTCC
33601 CAAAGTGCTG GGATTACAGG CGTGAGCCAC CACGCTCGGC CACTAATTTT GTATATTTTG
33661 TAGAGATGGG CTTTCCCTGT GTTGTCAGG CTGGTCTTGA ATTCTGGGC TTAAGTGATC
33721 TGCCACCTT GTCTCCCAA AATGCTAGGA TTAAGTGGCT GAGCCACCAG GTCTGGCTGG
33781 AAAGATAATT TCTAACATTA TCCTCTCTTA AACATTTGTT TCAAAAATTT TACAAACATG
33841 AGAGTAATTA AATTTGATTT TCAAAATTC CTGAATACT TTCTTAATAG CACACAGAAA
33901 GCACAAAGTA TTTTACATTT GTTTTAATGA TGAAATTGTG AACCCAAACT TTACAAAGA
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34141 AGGAGTTCAA GACCAGCCTG ACCAAAATGA TGAAACCCTG TCTCTACTAA AAATACAAAC
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34261 GAATCGCTTG AACCTGGGAG GCGGAGATTG CAGTGAGCCG AGATCGCACC ACCGCACTCC
34321 AGCTGGGAG ACAGGGCGAG CTCCGTCCTG AAAAAAAAAA AAAAAAAGT GCCGTCATAG
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34441 GTGACTTGCA CTGAAAGTTA TACGAATATT GGTACTTATT CCCCTGCCCC TGAAGTATGA
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34681 TCAATTCAAA AGTTAGAAAT TTGGCCGGGC ACGGTGGCTC ACTCCTGATA ATCCTTTTCG
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34981 ACAAGTTAGA AATTTGGCTG GCGCGGTAG CTCACGCTG TAATCCCAGC ACTTTGGGAG
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35281 GAGAAAAAAA AAAAATTTCT GTATGAAC TGATGAACAT CTTAAATTT TAAAAACAT
35341 CTGAAAGATA TTTCAAAATA TTTAGGAAAA AAATTATAGG GATCAGGCAA ATTCTGAGAT
35401 TCCTTTTTC CTGCAGCAA CATTAGGAGT GCTGCTGTT CTAATAACAT GGTAAGTGT
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35521 CTAGAATAAA AATCCAGCAC ATCATTTTCT TCAGCAAGTT AACTAACCTC TCTGTGCCTT
35581 GGTTCATATA CAGCAACATA AGCATAACAG AATAGCAGCA ATAGCTCCTA CCTACCTCAT
35641 AAGATTCTTT GGAAGAATTA AATTAAGATT CAGAACACAG CCTAATATCT AGTAAGTAAT
35701 AATAATTGGC TAAAAAATT TTCTTAAGAT TATATATATT CATGGGGTAC AAGTACAATT
35761 TTGCTACATT AATATATTGC ATTGTGGTGA AATCAGGGCC TTCAATCCAT CCCGGAAAAA
35821 AAAAGTTTTT GAAAAGATTT CTGCCATGGA AAACTTTTAA TGTACAAATT CATCCATCCA
35881 AGAAATAGAA AATATATAAG TATCAACTCC AAATCCACCA TATCTATCTC TTCTGCACCT
35941 TAAACAATTA CTCAGAAATA GAATGCTTGA GATACCAGAA TGCATGCATA TCAAGTAATA
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36061 TTAATATTGT AGTAACATTC TACATGTTAG AGTGTAAGA TTAATCGCTG ATGCAAAAAA
36121 GGAAAAGAAC ACATTATACC CAAAGCCTAC AGAGAGAATC ACAATTACAA ATATCAGCCT
36181 GCATGTGAAA ATCTTTAATT TGAAAGTCAG AAATATTTAA ATGATAGTCA TTGTTAAATC
36241 AGATTGTGGT TTGAAAAAAA GTTAGTTTAA AACTGAGTTT ATGAAAAATT TGGGGATTTT
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36421 AGCAGTCCTC AATCACCTGC TGTACTTGAC TCAATGATTA TCAGAGTGGT TTGTTTTTCT
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36601 TTTCCAGTGC ACGCCCCTCC ACCCATTTCT TATTCCTTTA CCTTCAGGAA AACCCTCAGC
36661 GCTGCATCTC TGGTCACCGG ACCACCGTGG TACATTTACC TATGGCCACC AGGTGTCACC
36721 CTTCTCTTTA CTACCATGGT TTGTGAATGG TTTTGCCAGA GGTGAATAAG AATTTAAAT
36781 GCAGGTCTTT GATTTTTCAA ATGTAGTTGA CCTTAAGAAT TTATGAATAA AGCCAGAAAA
36841 ATTAAGCTTA AAAAACACCG AAAGAAAATG AGGACTTAAA ATTTCTATTA AAAAAATTAA
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37021 TAATAAATTA ATTGTAACAT ATTCCTTAGG AGGTAGAAGA GTAAGTGAAG CCTTATAGCA
37081 GTCTGCTTTC AGTATAGTAA GATATTAAGA GAGAAATAAT TTGTCATATG CTTTCAGAAAT
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37201 AAACACGATT AATTCGGCTA CCACAGTTGA ATGAAAATAT TCCGTAAGAC AAAATGTAAA
37261 GAAATTAGAA GCAAAATAAA TGTCTCCAAA ATGACAAAGC GATTAAGTAT ATACACAAGA
37321 TGAACAAGAA CTTCAATAAA ATCATGCAGT ATACAATACA ATGTACATTT ATTAAGTAT
37381 ATGCATTTTT AATGCAACAA TAATACTAAC AGGTAATAGA CAAGTTGTTA ATAGTTTTTC
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37621 TATATGGTAT CCTGAAGCAC CTGCCCTTCA AGACAGAATG CTTGTACCAC ATTTATGCAG
37681 CCAAGTGCAT GTAGTAACAT AAAGTAAACA CATGCCATCT GGATATATAT ATTAAGACTC
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37921 TTGGGAGGCT GAGACAGGAG AATCGCTTGA ACCTGGGAGG CAGAGGTAC AGTGAGCCGA
37981 GATCATGCCA TTGCACCTCA GCCTGGGCAA TAGAGTCTCA AAAAAAAAAA AAAGACTCTT
38041 TTGAACATGG TGAAC TGATT TCCCAGAATC TAGCAATTCC TGAATGTCCT GGTAGATTT
38101 TTTTTTTAAT GTGCACCGGA ACCCAGTGG CTCCATGGAA GGACCTGGGC ATCCTCTAAG
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38221 GGAAATACCA CCAGAGTTCT GACTCCAGAG GCACTGGCCT AGGGAGGACA CCGTGTGTGA
38281 AGCCCAGCAG GGCCACTAGC TGTCCCCACC AATTACAGTC CTTGCGTAGG GTCCAAAGAA
38341 ATGAATGCCA AAGAGAGCAA CAGAGGAGCA AGGGAGTCAC ATTCCAGGAC CTTCCCTCAG
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38461 CATGTGATTC AAGCTCATTG AGAAGAAACA CAATGAGACA AGAGAAGAGC CATCTCCTTC
38521 CTTCTCTATT TATTCTAGGC ATCTAAACTA CTGAATGTAG TGGTGTCTGA GATGTATCAA
38581 ACGGTCAGAT TGA CTGAGTT TGAAACCTGT TTCTATCACT GACAACTAT GAGATACTCT
38641 ATACTTCACT TTCTTTTTTT TTTCATTTTT TTATTTTTAT TTTTATTTTT TTGAGATGGA
38701 GTCTCACTCT GTCACCTAGG CTGGAGTGCA GTGGCGCAAA CTCGGCTCAC TGCAAGCTCT

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38761 GCCTCCTGGG TTCATGCCAT TCTCCTGCCT CAGCCTTCCG AGTAGCTGGG ACTACAGGCG
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38881 AGCCAGGATG GTCTCGATCT CCTGACCTCG TGATCCACCC GCTTTGGCCT CCCAAAGTGC
38941 TGGGATTACA GCGGTGAGCC ACCGTGCCCC GCCTACTTCA CTTTCTTCAT TTA AAAAAGA
39001 AATGGGGATA ATAGTACCTA TCTCATAGAA TTATTGTAAG AAGTGCATGC AGTAATGCAT
39061 GTAAGTAGGT GCTCAGAAGA GTCGGACACG AAGTAAGTGC TTTTATCATC CTTATCATAA
39121 TTTTCATTAT CAGAACAAGG AGAGACCAGG TAGAAAATTA TTGTGATTCT TCAGGTCTGG
39181 AATACTAGAG TAGCATCCCA AATGAAGGCA CCATTAACT TTGCAAATCT GTATGACACC
39241 TTCATGCCAA TTAGAAAAAA CACCTCTTCA CAACCCCTTT CAAGATATTT GCCTCCTACC
39301 TGCTAAAAAC ACCCATCATA CTACCCACAG ATAGCCATGA TGCTTTTTCT GGGACAGGTG
39361 CCTCTTCCAT TCGTGCAGTG TACAGCCTTC ATAGCTGTGC AACTCACATC ACAATCAGAT
39421 GGAAGAATCC CCAAGGCTTG GTGACAGATG AGTTACTGGG TAACACAGAG AGAGGATTCA
39481 AAGGAAAAGT TGAACGGGTC CAGAAAATGC ATAGATACAT GTGTAAAAAT CTGGTAAGGT
39541 TATGACTAGC CACGTCCCAG GGTTCAAAGC TTTTCTCAGA TGTAAAAATG AATCATGTAA
39601 GTCCCCCAA TTTAAGGAGT CCTCTTCCAA AAATAGGAAA TGAAATGACA TAGGTGTATG
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39721 ACAGTTCCAG GGGAGAGGTC ACAGCTAGGG ATCACC GGCA TGCAGGAAC CAGAAACCTA
39781 AATGGGGAAA TCTTTTTGAG GAAATGAACA GAGAAGGCTA AAATCAAGGA GTTCGTCAGG
39841 CAATTTCTAT GTTTAGGTTT AACTCTCTCC TGAAACATGA AGAGCTCATA AATGCACTCC
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39961 ACGTTCAGCT AAGACGTAGT GCCCCATGGC TCCTCCTGTG GAGACAAGAG ACCCAGGAAA
40021 GAGGCATCAC AAACCTAGGC ACCATCTTGC CTCTTCTCTC TTCCTTATTT TCCTCATTCA
40081 CACTCTCAA TTTAGACCTG GGCATATTG GATTTCAAGA ACCATTATCT CTCATCTGGA
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40201 TCACCATATA AGGGAGATCG TGGTCTCCTT TTCTTAGGAT CCTTCAATGA CACCCAGTG
40261 ATCATAACCC AATATCCCAA AAGACCTTGT GACTCTGTAT GAGCTGGCTT CTTTCTGATT
40321 CTCTTTTCCC TACACCACAG ATGTT CAGGG GG TAGAAATG CATAATTGGT GAGTGATAGC
40381 TAAGCAAAC T CAGGGTTAAG GTACAGTAAT TATTTCTAAT CTCCAGTAT GCCTTATACT
40441 CTCCTACTTG GCATGGTTGC TCCGTCTGTG TAGACCTCCC ATCATCTTCA ACCTACCTA
40501 ATGGAATCCA GCTTCTCCTT CAAGATCCAG AAGGCTATCT TGATCCCCAG CTGAATGTGA
40561 TCATTCTTTC CTTTGACACC CTAAGCATTT GCTTCCTGCC TGCTTTAGGA CCTCATGGGG
40621 TCTTCTTTAA CTACATTTAC TTGCTATCAA TTTCAATCCC TACCAGATTT GGGTCTGAG
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40861 TCCCATGGAT GCCAGATCCC CTCTGCCCCT CTTCCCACTG TGCCCTGGGG CAGAGGTACT
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41101 CCCTCAGCCC ACCCCCTAAC AAAGAGCAGA TCCTCATCTC ACTGCCATAA TTACCTCCTC
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41221 CCCAGATCAC AATGAGGGG TGATCCAGGC CTGGGTGCTC CACCTGGTAC GTATATCTCT
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41341 GCAATACGTC TTTAGGTTTCG AACTCCTTGG CATCCATTGG CTGCTTATCC TTCAGCCACT
41401 TCATGGTGAT GTTCTGGGGG TAGTAGTTCA AGGCCCGACA CCGTAGAGTG GTCAGTGAAG
41461 AGGTCACATG ATGTGTCACC TTCACCAAAG GAGGCACTTG ACAGGAAAGA GGAAGGATGA
41521 GGAGAGGGGA TCTGTTTACC CTTGCCAGGA AGACTGGAAC TTTCACTTCC TTCTATAGGT
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42001 TTTTAAAGAT GGAGTCTCAC TCTGCTGCCT AGGCTGGAGT GCAGTGGCGC GATCTTGGCT
42061 CAGTGCAACT TCCGCTTCCC AGGTTCAAGC GATGCTCCTG CCTCAGCCTT CCAATTAGCT
42121 GGGACTACAG GTGCGCATGA CTGTGACCAG CTAATTTTTT TATTTTTTTT GAGACGGGTT
42181 TCACCATGTT GGTCAAGGCTG GTCTCAAACCT CCTGACCTTG TGACCACCCG CCTCGGCCCTC
42241 CCAAAGTGCT GGGATTACAG GGGTGAGCCA CCGTGCCCCG CCTTGACATT TCTGAATTTT
42301 TAACAGGTAT AAATATACAA AAGATTATTG GTTAAATAAA AAGCAAGGGC CATAGACACT
42361 TCCCTTTGAG CCATATGCAT GGAGAAAAGA AATTAAACCC ATGACTTGTG GCTGTCTCAT
42421 ACATCTCAAT TATAAGGTAG AGACTCTAGG ATTGAGAAAAG TCCCTTCCCA GAATTTGGAG
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42541 CTCCACTCTG CCACTAGAGT ATAGGGGCAG AAGTGTGTTT CCACCATACC TTGTTGGTCC
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42961 TTCCCTCTTC CCTGCTCCCA CAAGACCTCA GACTTCCAGC TGTTTCCTTC AAGATGCATG
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43441 CCTCATTTTG TGAAGGTGA GTTGCAGTCC TGTCTTTCTT CCATATGACA GTCCTGGGTG
43501 CTCTTTTCTT GTGTGCTTTT CTCTGCCACA CTGGGCTGCC ACCCCCTCAC TGCCCCCAGA
43561 TCCTATTCCA ATACTCATGA TTAGACAGAC TCCACTAAAG CTGGTGGATT CTGAAAAATG
43621 TTAAGGTGTG TCTAGCCATG GTAGTTGAAC TCAGGAGTTG GTGCTCAGGG CAAATTAGAC
43681 CCAAATCCTG AGGAATAATT CCTTCAGTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT
43741 GAGACAGAGT CTCACTCTAT CACCCAGGCT GGAGTGCAGT GGCACAATCT CAGCTCACTG
43801 CAACCTGCAC CTCCTGGGTT CAAGGGATTG TCCTACCTAA GCCTCCTGAA AACCTGGGAC
43861 TATAGGCGTG CGCCACCACA CCAGGCTAAT TTTTGTATTT TTAGTAGACA TGGGGTTTCA
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43981 CAAAGTGCTG GGATTACAGA AGTGAGCCAC CGTGCCAGC CTTGGTCCTG AATTCCTTACA
44041 CTGAACTGCC TATGTGGCCT CACCACTTGG AAGCCTGACT GGAATCTCAA ACTTAACATG
44101 TCCAAATGCA GATCCTTGAT TTACCCCCAA CTGCTCTTTC CTCTGCCTTC ACCATCTCAG
44161 AAATGGCATT GCCAATTACC CCACTGCTCA GGCCAATAAA ATTAATAATA AGAACAAAGT
44221 CAACTTTAAC TCTTCTCTTT TTCAGGGGGT CAGGGGAGAC AGGGTCTTGC TCTGTCACCT
44281 AGGCTGAAGT ACAGTGGCAC AGTCATGGCT CACTGCAGCC TCAACTTCCT GGGCTCAAGC
44341 AATACCCTCC ACCTCAGCCT CCCGAGTAGC TAGGATCACA GGTGCATGCC ACCACACCCA
44401 GCTAATTTTT GTATTTTTTT TAGAGAAGGG GTTTTGCTGT GTTGCCCAGG CTGGTCTTGA
44461 ACTCCTGAGC TCAGGAATCT GCTCTCCTTG GCCTCCTCCT TGGCATGAGC TACTACACCC
44521 AGCCAATTCT TCTCTTTCTC TCACACAACA TAGAATCCTT CAGCAACTTC CTTCAGAATA
44581 TATTCAGGAG ACAATGGTTT GTCACTCCCT TTTCTGTTCC CACCCAGCCC ACTCCACTAC
44641 CTCTTGCTTG GACTGTGTAA CAGCTTCCTG GCTGGGCTCC CTGCTTTTAC TGTGCTCCC
44701 TTCATTCTGC TTTCCACATA GCAGCCAGAG CAATCTTTTA AAAGCCTGTG ACAGATCACT
44761 GTTACTCCTT GGCTAGAATT CACACCACAG CCTACAGGCG CCTGCACAAC CTTGTTTGTG
44821 GCTCCTCTTC TGAGCCCATT ACCTACTTCT TGGCCTCTAC TCCCCAGCAC TACTTGTTTA
44881 TTTTTTTTCAA CCCGAGCTTC TTAACCAGGA GTTTGTCTAC TAGGTGACAT GTGGCAAAGT
44941 TTAGAGACAT TTTTGGTTGT CAAGACTGGG GGAGTGCTCC TAGCACCTAG TGAGTAGGGA
45001 GGACAGGATA CTGCTAGACA TCCTACATGC AGATGGTAGT CCCCCTTCCC ACCCCCACGC
45061 CGCCCCCCCC CCCACACACA CACACATGAG TAGTGCTGAG AAAACCCGCT TTTTAATCCA
45121 ACTTGCCAGG CCCACTCAGT TTGCCTGGGA AATACTGCTC CCAGTCAATA TCATTCTTAT
45181 TTCTTTCATG TCTCTGCTCA AGTGTGAGCC CCAGAGTGAC TTGCCCTGAC TTCTCTGCTT

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45241	CTCACAAACAC	CCATGATTTTC	CTGATGTTGT	ATATCTTTCT	GCTCATTTCG	TTATTGTCAT
45301	CTCTCCCAC	AGAATGCAAA	ATATCAAAGG	GTAAGACTT	GTTTCCCTGC	TCTCTCCCTT
45361	GGGGCTTGAA	CAGTGCAACA	CATGGCTGGG	ACTCATTAC	ACTTGTAAC	TAAGAATATT
45421	TCTGCTCAAC	ATGAAATTTT	ATTATTCAAC	CTCTAATGCA	GTGTGATGTT	AATGAATCAT
45481	AGCTATGAAG	TGGAGACATG	AGCTCTGCCA	CCAAAGCCCC	GTGTACCATT	GAATAAATTT
45541	GCCAGGAAGC	AGGCCGTGCC	ATGCCTCATT	CTTGTCATGT	GTAAAATGTG	GATACACGTA
45601	GTACCAAAAC	TCAAAGTGCT	GTGCTGAGGC	CGGCGTGTGA	CCCACAGAAC	ACTGTGCTAC
45661	ACTACAGGGC	AAAATCACTG	TCAACTAAGA	TTAGAAGCAG	CTGTAGTACT	TGAAATAACA
45721	TCAGAAAACC	AGATTATTTA	TGTTCTTTGT	AACCTGAAAA	GAGTTATATA	ATCTGAATTG
45781	CAGTTAACTT	CTAGTAAAAT	AAACGTATTA	TTAGCTCCTA	CCTCCCTATG	CCTAGTGAAA
45841	ATCAAATAAG	ATCAGATATG	AATGTAACCT	AGAAGTGAGT	GCATTGCTTA	CATGTTTCATT
45901	ATCAGTACTT	TGTAGAGAGG	CCTCTTAATT	ACACAGCACA	TTGCAAATCA	ATAAAGCCTA
45961	GCCGAAAAGA	GAATTGTTCA	GTTCAAACGT	TCAAAACTAA	CATATACTTA	ATTTTCCAGG
46021	CAAAAGAACA	ATTGCCAAGA	GTGGGGAAAG	GCCCCGAGGT	GGCCTCTCTC	AGGAGCCTCC
46081	CACCCTAGAG	ACCTCCACCC	CAGGTCCTAC	CAAAAGTGGG	TGGAATGGTG	AAGAATTCAG
46141	ATCCCCAACG	CCACTCTTTT	GCGCCCCAC	CGCCCAACGC	ATTCTGTTCTG	AGGTGGAAC
46201	CCCGTGCGBA	TCCCTGCTGTG	GGTTTGCTCA	GCCTTCTCGG	CAAGCACTCA	GGGAAGAACT
46261	TCCTGTTTGG	AGATGACTGG	GGAAAAAAT	GCACAGCTGA	CATTGGAAAT	AAACCCGAGT
46321	TCCAGGTTCA	AGGAGCCCCA	GGATTTAGCTC	AGCTCAAGTG	AGGAACATACG	AGATTTATTT
46381	AAAAGCATTC	TAGTTGGGGG	AAGGGAGTGG	GCGGTTCCAA	AAGTCACTCC	CGAGAGCCGG
46441	GACAGCCGGG	GGAGGGGGCA	GGTCCTGGGG	CGAGGGACCC	CTATCTGCAG	TTCAGTGCGTA
46501	GGCACTCCCT	CACGGGGTCT	GGACGCAGAA	AGTAGGGAGA	GGGGCTTGCG	GATTGGGTTG
46561	AGCAGGTCC	CCAAAGTTAG	CAAACCTCCA	AGCGCAAAGA	AAAAGCTAGT	TTCGATTTTT
46621	CCACCCCCGC	CGCGCCCCTA	GTTCGCCCCG	AGCCCTCGGA	CTCACGCAGC	AAGCGCCCC
46681	GCAGGACCGC	GGTCTGCAAA	AGCATCAGGA	GGAGAAGCGC	CGGCCCTGGC	CGCGGGCCCA
46741	TTTCCCCAGC	TCTGGCCGCA	CGTCCCCGTT	AAATCTCCGC	TTCTTTTGGG	GGGCGGGGAA
46801	ACGGGGATGG	CTCCAGAAGT	CACCCCTACAG	CTATTGCCCTA	GGCTCAGGAG	ATGCCCAGTA
46861	AAACTTCCTG	GTGAAAAGCA	ACAGGTCTTT	CAGAACTTTA	GTTCTCTCTC	TCCTACAGCA
46921	GAAGGTACCT	GCTTGTGAAA	CACTAGGTGA	TCCAGTGTCC	CCCTTGTTT	TTAAATCCTG
46981	AAGGGGTGTT	GTTGATTGGG	GAAAGTAGCT	TCGCAATGTT	CTGATCTGAA	CTTTAGATAT
47041	TTAAATATTT	ATGATTTTCA	AAATTCATC	ATACATTTAA	AAATTTTATC	TCAACCTTAG
47101	ACCAACTTAT	GCTTATTTG	ACTTAGAAAT	ATAAAGCTTT	TTCATTTTGT	TTTTTTGATT
47161	AAATTAATTA	AGTCATAACA	TTAACCAATT	AGATCCTACT	GAAACACGTT	CCACAGCCTT
47221	CATAATTGAA	TTATCTGACA	AGTGTTTCAC	AAACTTTACA	GTATTGGGAT	TATCTGGAGA
47281	ATGATTAAAC	ATATTGAGGC	CTGCTCCTAA	CCCCAGACAC	ACTGATTTAA	TGGGTAATTG
47341	TTAGGTAGTT	AGACATTAGC	AGTTGGGAGG	GGATGACAGA	AGAGAGCGGA	AAGGCTGTCA
47401	CTAAGACAGC	CACTGGCCCC	CCTAAATTCA	GGCCCCAAGAC	TACCTTAATG	CCACCTTAAG
47461	GGATGGAGTT	TATGATAAAG	TCTGTGGCCA	AAATATCCTG	GAGAAAGAGA	AAGGAGGGTA
47521	CAGGTGGAAG	TTCCCTAAGG	TGGCACATGC	CCAACAACAC	AAAAGCCTGT	CTTCAAGTTC
47581	ACCCCAAGTT	CATCATGCCA	TCATTATAAT	AGAATTTACA	TACAGTTTTG	CCCCCCCATC
47641	CCTGGGAGGC	TTTTCTTAAC	AAATTATAGG	TAAGACCATG	CACAGTTTAA	TTTTAGATTG
47701	TATAGCTATA	AACTTCAATC	AAATAACATC	ATCCTGTCAC	TCAGATACAG	CCCAAACCTC
47761	AACTCCTCCC	CACAAACCCC	ATAAAAGCAC	CTTGAGCTCT	GTAAAGAAGT	GCTGAGTTCA
47821	CTTCGCAGAA	ATAAGCCCGC	TGTCCCTCAG	AGTGTATTAT	TGTGCTTCAA	TAAACTTTGC
47881	TTTAAGCTTG	CATTTTGGTG	TTAGTTTGTA	GTCTTTTGCT	CACTATCACA	AGAACTGAGA
47941	TTGCTGCTTC	AGAGCTCCGG	CTATAATAAT	CTCCTCGGTT	AAAGGATCCA	TCCCAATGCA
48001	TAATTCCCAG	TAACAGTATG	GGATGCCACC	TGGGCAATGG	GATTTTAAAA	GCTTTCCTTC
48061	TCCCTCAACG	AAGTTTGGGA	ATTATTGCCT	TAGACATTTT	AAACAATATT	AATAAATTTA
48121	ATACACCTGA	TTTGCTCCAA	ACCTTTACAT	ATCTAGCAAA	TTCAACAGGC	ATTATTTTTG
48181	TAAGCATGTA	TGCAAAATTT	GGCAATTCAA	GAAAAATCAA	CAGGATATCA	GGGCCCTCGAC
48241	TGTAGGCAAA	CAGATAAAT	AACATTGGAA	ACATGTAGAA	TATTGATGAT	GGGCACATTG
48301	GGGCTGATAG	TACTATTCCCT	TTTTTTTCAAT	TTTTTGGTAAG	ATATAATTAG	CATACCATAT
48361	AATTCATCTA	TGTAAAAATGC	AAAAAATTGGC	CCAGCTCAGT	GGCTCACGCT	TGTAATCCCA
48421	GCACTTTGGG	CGGCCGAGGA	AGGCAGATCA	CCTGAGATCA	GGGGTTTCGAG	ACCAGCCTGC

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48481 CCAACATGGT GAAACCCCGT CTTTACTAAA AATACAAAAA TTAGCCGGGC GTGATAGCAG
48541 GCAACTGTAA TCCCAGCTAC ATTAGAGGCT GAGGCAGGAG AATCGCTTGA ACCCGGGAGG
48601 CGGAGGTTGC AGTGAGCTAA GATCGTGCCA TCGCACTCCA GCATGGGAGA CAAGAGCAAG
48661 ACTTCATCTC AAAAAAAAAA AATTAGCTGG GTGTGGTGGC ATGCACCTGT AATTCCAGCT
48721 ACTCGGGAAG CTGAGACAGG AGAATCGCTT GAACCTGGGA GGCGGAGGTT GTGGTGAGCC
48781 GAGATCATGC CATTGCACTC CAGCCTGGGC AACAAGAGCG AAACCTCCGC TCAAAAATAA
48841 AATAAATAAA ATAAAATGCA AAAATTAATG GATTTTAGTA TATTTACAGA GATGTGCAAC
48901 CATTACCAAA ATTTTACATT TCTATCTCCC CAAAAAGAAA CCATGTTCCC CTAATTCAGT
48961 ACCCTTAATT CATCGCCTCC CAGATTCCCT CATTCTCCTC CTCCTCCCCT CCCAGCCCTA
49021 GACAATCTTT AATCTACTTT CTTTCTATTT GGAACATTTA GTATACATAG AGGCATATAA
49081 TATATTGCTT TGCCGTGACT GGCTTCTTTC ATTTAGCATA ATGTTTTTAT GTATGTTTTT
49141 CATGGACCAA TAATATCTAT TATAAGGACA TACCACAACA TATTTTATTT ATTCATTTCAT
49201 CAGCCGATGG ACATTGGTTT GTTTCTACTT TATGGCTATT GGAATAGTG CTGTTATAAA
49261 CATTATGTA CAAGTTTTTT TGTAGACTTA TGTTTTGAT TCTTTTGGTT ATATATCTAG
49321 AAGTGGGTTT GCTGGGTCAT ATGGTAACAC TGTTTAACCT TTTGAGGAAT TGCCACATTC
49381 TTTTCCAAAG TAAGCATTTT ATCCTCCTAT CAGCAGTGTA TGAGAGTTCT GATTTCTCTC
49441 CATCTTTGCC TGGGTTTTTG AATCAGGGCC CCAGATAGAA CAAAATGTG GTTATTCAGT
49501 TGTTCCACCA TCACTTGTTG AGAAGACTCT TTTTTCATTG AAGTGTTTTG GCACCCTTAT
49561 CAAAAATCAA TCTACCATAA ATGTGAGAGT TTATTTCTGG AGTCTCAATT TTATCCCAT
49621 ATGCTATAAT CTATAATCCT ATCTTTTTTT TTTTGTGACA GAGCCTCACT CTATTGCCCA
49681 GGTTGGAGTG CAGTGGCCCA ATCCCGGCCA CTGGCTCCTC CTCCCAGGTT CAAGCAATTC
49741 TCCTGCCTCA GCCTCCCAAG CAGCTGGGAT TACAGGTACC TGCCACCATG CCTGGTTAAT
49801 TTTTGTATTT TTAGTAGAGA CGGGGTTTCA CCATGTTGGT CAGGCTGGTC TGGAACTCCT
49861 GACCTCAGGT GATCTGCCCC CCTCAGCCTC CCAAAGTGCT GGGATTACAG GCATGAGCCA
49921 CCACACCAG ACTATAATCC TATCTTTATG TCAGGACTAC ACTGTCTTGA TTACTATAGC
49981 TTTTGTAGTA ATTGAATTCA AGAAGTTTCT CAACTTCAAA TTTGATCTTT TTTTGGAAGA
50041 CTATATTAGC TATTCTCAGT CTGCTGAATT TCCCTAGGAA TTTTAGGATC TATTATCAAT
50101 GTCTATTCTA TTTTGTGATA TGTTTTAATA TTTTCATAAG AAACTTTTTT CATTTAAACT
50161 TTTTTTTTTT AGAAAAATAG TGAAAATCAG AATACTGGGG GTCAGGCGCA TTTAACAGGC
50221 AGAAGAAGAA TAAAAACTTG TCATATAAAC AAAAAAGAAA TGACCAATCA CATTTGGAAG
50281 GCCATGGAGT GGTATATAGT GCCAAAGGCT GCAGAGAAAT GGTGTCAGAT ATACCTGAAA
50341 ATTGTCATT GTATTTGGCC ATTAAGAGAC TTAGAAGACT TAAGCCATAG ATTGCTCAGT
50401 GAGACCCCGA GGGCAAATGG TCTGAAGGTG AATAGATCAT TTCACCTTTA AGAGAGCAGG
50461 TAGGAAGCTA TAAATCCAAG ATTAATAAAG TGAAGTGAAT GTTAAAGAAG AAACCTAAT
50521 CTTGAGCCAC CCTATCCTTG CTCCACCTTC TGCTGCAAGC AAACAGAAAT GCTGAAATTC
50581 AACACTCACA AAGGCTGGTA AGCTGGAAAT GACAAAAATT ACTCCTGGGA AAGTCAGATT
50641 TAGAATTAGG CCATATTTGT TGGGGTTCAG ATTTTCATGT AACTTTGGGA AAGGGTTTAG
50701 CTTATAGGCA CATGCATGAA GGGAACGGT ATAGGGCTGT GTTCATAAGG TCAAGAGTTG
50761 AAGGCCAGGC ATGGAGGCTC TTGCCGTGTA TCCCAGCACT TTGGGAGGCC GAGGCAGGAG
50821 GATGGCTTGA GCCCAGGAAT TCAAGACCAG CCTGGGAAAC ATAGGGAGAT GCTGTCTTCA
50881 CAAAACAATT AAAAAATAAA ATTAGTCAGG TGTGGTGGCA CACACTTGTG GTCCCAGCCA
50941 CTCAGGAGGT TGGAAGATC ACTTAAGCCT GGGACATTGA GGCTGTAGTC AGCCATGATA
51001 GTGCTACTGC ACACCACTCT AGGTGACAGA ATGAGACCTT GTCTCCAAAA AAAGAGCTGT
51061 ATCCACATCC CAGGAAAGTG GTTGAAGATC TACTTTTCTC TGTAACCTA ATAAAGAATA
51121 GAGTGACAAA TGTGTGTTGT GGAAAGAAAT GGGGTGAGAG CTACGTAGAT GCAAAACAAT
51181 ACATCCCCAC ATACCACTTG TTAATCATCC TTTTCCACCC ACTTATGGGA TGAATTGCAT
51241 CTCCCCAAAA GATACTCTGT CCTAACCTC AGTACCTGTG AACCTGACCT TATCTGGAAT
51301 ACGGTGAGTT CACTGGTTAA GAAGAGATTA TAGTGGAATA GGGTGAGTCC TCCAACCAAT
51361 GACTGGGGTC CTCACAGACA CAGAGGGATG ATGGCCAGGT AGAGATGGAG GCAGAGATTG
51421 GAGTTATGCT GCCACAAACC AAACACAGGA AGCTGCTAGA AGTGGAACA GGCAAGAAAG
51481 AATCCTTCCC CAGAGGCTAC AGAGGGATCT TGGCCCTGAT AATACCTTGA TCTCAACTGG
51541 CCTACGTAAC TGTGAGAGAA TAAATTTCTT TTGTTCTAAG CCACCCAGTT GATAGTACTT
51601 TGTACGGCA GCCCTAAGGA ACTTGATATA CATTTCTTTT ACTGTCATAG AAGTTTTGAA
51661 TCTTTTAAGT AGGTCTGTAC CCTTCTCCC AGTGTCACCG CATGGAATTC CTCTCCTTGT

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51721	GCCTTGAAAA	GTGAAAGGTG	TTTGAAGTGG	TAATGAAAGA	AATCTCAGCA	TGAGGCCAGA
51781	TGCTGTACCT	CACACCTGTA	ATCTCAGCAC	TTCGGGAGGA	TGAGGCCGGC	AGATCACTTG
51841	AGGTCAGGAG	TTCTAGACTA	CTCTGGCCAA	CATGGTGAAA	CCCCATCTCT	ACTAAAAACA
51901	AAAAATGTTA	TCCTAGCCGG	GCATGGTGCC	TGTAGTCCCA	GCTACTCAGG	AGGCTGAGGC
51961	AGGAGAATTG	CTTGAACCCG	GGAGGTGGAG	GTTGCAGTGA	ACTGAGATCA	CGCCACTGCA
52021	CTCTAGCCTT	GGTGAGAGAG	CAAGACTTGG	TCTTAAAAAA	GAGAAAAGAA	AAATGAAATT
52081	TCAGCATTAT	AGAATAAAAA	TGTTTTCCCT	TCCCCCAAAA	CTTTAAAAAA	GCAGAAGTCT
52141	GCATCATAAA	ATGGTCTTTG	CCAATGTTAT	TTTTATTATA	ACAAAGGAAT	CTTGCAAGGC
52201	TACCAGATCT	CAGCAATTGT	CACTATGTTT	TGTAAAAATC	ACTTCCTAAA	ATGTCCTGAAT
52261	TGACTGCTTG	TCTCATTTAT	TTGTTTCTCG	TGTCATACTG	CAATGGATAT	CTGTCCTTGT
52321	AGTATAAATA	TTTGTGCATT	TTGTTGTTGT	TAAAACAGCT	TTTTTGGCCT	GTCTTCTTCC
52381	ACCTATGAGG	TAATATAAAA	CTCATGTTTA	ACACTTATTT	TTGTAGGAGG	ACAAGCTACA
52441	GACAAAACCC	CTCAGACACT	GAGTTAAAGA	AGGAAGGGCT	TTATTTCAGCT	GGGAGCTTTG
52501	GCAAGACTCA	CATCTCCAAA	AACCGAGCTC	CCTGAGTGAG	CAATTCCCTGT	CCCTTTTAAAG
52561	GGCTTGCAAC	TCTAAGGGAG	TCGTGTGTAG	AGGGTCATGA	TCGACTGAGC	AAGTGGGGGT
52621	ATGTGACTGG	CAGCTGCATG	CACCAAGTAAT	CAGAACAGAA	CAGGGATTTT	CACAGTGTTT
52681	TTCCATACAA	TGTCGTGGAAT	CATATAGATA	CATAACCGGT	TAGGTCGGGG	GTCAATCTTT
52741	AACCAGACCC	AGGGTGCAAC	ACCAGGCTGT	CTGCCGTGGG	ATTTCAATTC	TGCCTTTTAG
52801	CTTTTACTTT	TTCTTTCTTT	GGAGGCCAAA	ATTGGGCATA	AGACAATATG	AGGGGTGGTC
52861	GCCTCACTTA	TTACCCCCCT	TTGAGAATCT	CACCTCATTAG	TGGGAATTTCT	CACTTTATTAT
52921	CTCACTACCT	ATGTCCTTCT	GAAAGACAGA	TTGATAATGA	TTCATATAGT	ACACTTGTGC
52981	TGAAGCATT	TGGTGAGCTA	AGGTAGTGAT	GAAGCTTTTT	ATCATTTGGA	GAAGTACAGG
53041	TAGCAAACAA	GGAAGCAGTA	AGCAGGTTTC	TATTAATATT	ATAACTCCTA	TTATAAGAGT
53101	TTTAAATCTT	CTTAGCACTC	GGAACCATTT	TTCAAACATG	GCCCCAGAAA	CAAATCCATA
53161	CCACACCTAC	ATGGGCACAT	GTGCCACTTT	TGTCATATTT	CTAACTATGT	CTTCAACTAC
53221	TTGCCCCTAA	TCATCTATGT	GTAGACAGCA	ATTAGTAAGG	TTAAATTTCC	TACAGACCCC
53281	TCCTTCAGTT	GCTAGCAAGT	AGTCGAGAGC	CAATCCATTT	TGATAGATAG	CATTTTGCAT
53341	CTGAGTTTCT	TGCCAGGCCA	CAGTAGTCAG	GGCTCTGCTG	GTCCTATTAG	TAATTATTTT
53401	TAAGACAGCT	TGTAACCGTA	TGATTCAAGT	GAGCATGTAA	ATGGGGGTCC	CATATCCCCA
53461	CAAGCCGTCT	TGTGCCCAAG	TAGCAGGCCC	ATAATATTGT	ATGATTCTCT	CAGGGGGCCA
53521	TTTCATTTAT	TTCCAATTTT	CTATAGCTAT	GCTTTTTTTT	TTTTTTTTTT	TTTTTTTTTT
53581	TTGCGGGAAG	CATATACAGG	GAAGCCCAGG	AGTTTGCTTG	TCTTTATGGG	CAGTAGGAAG
53641	AAAGATGGTT	TAATAGTGTC	AATAACACAA	CTACCTGCCC	ACTGGTCAGG	TAATTTGGCA
53701	TAAGCTGTAT	GCCCACATAT	CCAGTATAAT	CCAGTGGGGG	CTGTCCAGTC	CCGGTGGGAC
53761	TCGGGGTGGG	TCCACACAGT	TTGCAACTTT	GGGAATTTAC	TAAATAGATT	TTTCTTAGTG
53821	TGGTTTGAAC	TCCACTAGGT	GGCTGTTTTT	ATAGTACTAT	TATACAGTTT	TTGCCCCAAG
53881	CAGCTGAGTC	TTCCACACAG	AAGGGTGAA	TCCTTCCCCA	CTTTTGCTAT	ACAGTATTGT
53941	CTAATGATTG	AGGCTTTTAG	GACCCAGAAG	TTATCAGGGT	GAGTCTTTTG	AGCTGGGAAT
54001	TTATCAGGAA	CTGGGTCTGT	AGGTACTAAT	TCTCGTGCTT	CCCATGGCCA	TTGATCTCCC
54061	ATTACAGTTC	CTCCACATAC	ATACATAACA	TGAAGTGACA	TTGAGAGACT	GGGCTACATG
54121	CTCAGCTAAT	TGCAAAAACA	AATTTCTTGT	TTTTCTTGGA	ATTTCTAGTA	CTGGCACATT
54181	CAGTTTCATCA	TAAGAAGGTT	TGAAATACTG	GCTCAGGGGA	GCATTTATAA	ACTTCTCCTC
54241	AAACCACCAT	ATTTACTCAA	GGATCCAGTC	CAGCCCCAAC	TATTTCTAAG	GTTACACGAT
54301	CCCCTTTTTT	CCAGTGAGAA	TCAAGGGGGT	TGGTTATTAC	TAGTTCTAAG	GGGTTACACT
54361	GACCACTGGT	ACAGGAAGGG	CCACTTTTCC	CTTTCTGAAG	GTGGACAGGA	TTCTTTTTTAT
54421	TTTTTAACCA	AGTTGCCTAA	ATGACACAAG	ACCAGTATCT	ACATTTATTT	CCACGCAGTC
54481	TAAATTCATG	ACAAGCGTAC	TTATTTTCTG	CCATATAGCC	TCTTTCCTAA	TGAACAGAAC
54541	CACATCCTAT	TTCTAACCTA	TTACTATTAA	TGACAGCACA	GGCATCAAAT	TTCAAGGTGA
54601	CTTGTTTGGG	CATTCCTTTT	TCTTCTGTTT	TGGCTAACAC	TTTACTCGTA	TCGTTTATGA
54661	ACCCCCACCA	GTCTTCAGTC	CTCAATCTTA	TTTCAAAAAC	TGTGGTCTGT	GGAGGCTCAG
54721	ATGGGTCATA	ACACACATCA	GGTTGGTCAT	TTTCTGGGCT	ACCTGCCTTG	TATAGAATAG
54781	CATTATACAA	ACAAGTTATT	TTTAGAGTCT	TTGTACACTT	ATAATAACCA	TAAAATAATA
54841	AGACTGTAGC	AACTTTTTGT	CCTACCTCAG	TGACTTGATG	TATACACTGG	GAACAGCCCT
54901	CAGTCTGAGG	AAGGTTAGTT	GAAGTCTTTA	CTGTGCAAGT	CCAAATTTTA	AGGAAAATGA

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54961 GTCCCTTGAT GAGTTTTCTC ATGTTTCGGC CATGCATGGA CCAGTCAGCT TCCGGGTGTG  
55021 ACTGGAGCAG GGCTTGTGT CTTCCTCAGT CACTTTGCAG GCGTTGGCGA AGCTGCCACG  
55081 TACAGCTCAC AGTCTACTGA TGTTCAAGGA TGGTCTTGGA AGTTGGGCCC ACTAGAAATTA  
55141 ACTGAGTCCA ATACCTCTAC TCAGTCACTT TCAACTGGGC TTTCTGATAC CAGGAGCAAG  
55201 GTGGCAGGTT TTAGGGTGT GCAAATTTCA ATGGTTATGC AGGGATTTTC ACATAGCAAA  
55261 CTTTGGTACT TGGTTAATCT AGCATTGTGT AGCCAATGAT GTATTTATTA AAGTCACCAC  
55321 AGCATGGAGG GCCTTTAAGT TTAGGTTTTG TCCAAGAGTT AGCTTATCTG CCTCTTGTGC  
55381 TAGCAGGGCT GTTGCTGCCA AGGCTCTTAA GCATGGAGGC CAACCCCTAG AAACCTCCATC  
55441 TAGTTGTTTG GAGGCCCAGC CTCGGCCAGG GCCCCACAGT CTGGGTCAAA ACTCCAACCG  
55501 CCATTTTTTTC TCTTTCTGAC ACATAGAGTG TAAAGGGTTT TGTCAGGTCA GGTGACCCCA  
55561 GGGCTGGGGC CGACATGAGT TTTTCTTTTA ACTCATGAAA AACTCATTGC TGTGGTGTGT  
55621 AATAGATGTA GTTTATCCAA TCTACATTTT TATTAAGTGT CACCCACCAA AATATTGACT  
55681 CAAATCCTGC AGCTATTTGA TTTTGGGATT TAAATTGATC TGCTATTTCC TGTGGGACTC  
55741 CAATTGCATC TAAATAGATG TGAGAGTTGA AAGACACATA AGGGTCTTCT CTTGCTTTAC  
55801 GATGTCTTAT TTTTCTCTCC TCTGGTTGAT GAAATGCTAG GGTGAAAGGG ATAGCCAACT  
55861 GGAATAAAGT ACAAGTGCCG CTCCAGTTAT TTGGCAGAGT GCCCAGTAAA GGTCCACCAC  
55921 AATACCACCA CACATCCGCT TGGGGATGAA CAAAGGCTGA CTGATTGAGA AGCTCCTGAA  
55981 AATTCTTAAG CTCAC'TGCAT CCCTTCAGGT CTCCAAGGAA TGCTAAGTTT CCTCCCTGTC  
56041 ATGAGAGACA AGAAGTGAAC TTAGTTTTTGG GAGATGGAAG CTGGATGGCC CTCAGGGGTT  
56101 GACCTGCAGG GTGCTGGACT TTGGGATATA GCAGAGAGAG CTGGCAGCA CTTATTACTC  
56161 CAGGCTGTAG CATCCTGGAA AACAGTTACC ATGCAGCCCA TGCCTGGTCA ACAGGAGGAC  
56221 CACCTTAGTG GAAAGGGGAT AATCTGGCCC TCTGGCCTGC CATGTGCACA AGCATAACAA  
56281 TTGGTTTTTGT TTAATGTGTG GACAGAATAT TTGATCCATT CCAACTGGGC ATTTGCATCT  
56341 TGGTATCCTG CTTAATTATC AAAGTTTGT TTAAGTCTT AACTTCTATG ACCCTCTAGT  
56401 AAAATGAATG TATGATTTTA GGAAATTACA AAAACCGGTT GGGGCAGTCC ATCCTCGCTC  
56461 TTTAGTGGTC CACACAACAT TCGACCAACT ATGGCATAAA AGCTCTACAT CAGGGGGCAA  
56521 GACTCCTCGT TGACACTGGG GTCTTTATTT AAATCTCTCT GGATTAATG GTCTCAGTTT  
56581 ACTAAGGCTC AGTCTGAGGA GAGTCAGGAG GGACAGAGGT ACTTTTCTGA AGTACAGAGA  
56641 TGTCTTCGAC TTGGCAAGTC CCCACAGGGT ATAACAAGGC AAGCATTAAA TTCAATAGTT  
56701 TGAGGCAAAA TTGACTTGGT TATGTTAATA ACTAGATGGT CAGAAATAGA GTGAGGGAAG  
56761 AAGAAAGAGT AATAGAATAG ATGAAGGAGT TAAATTTTTC TTAGCTTTAG TTTGGTAGGG  
56821 TTTTCCCCTG GGAATATGGC CCATGACTCT GGAGGGGGTG GCACTTTCTT GACTCGGGTG  
56881 TGATGAGTCC ATCCCTTTTT CACCGTATGA ACAACAGTCT CGGTGGTTAG CAGCACAAGG  
56941 TAGGGTCCTT CCTAGGCTGG CTCAAGTTT CCTTCTTTCC ACCCTTTGAT GAGAACATGA  
57001 TCTTCAGGCT GGTGCTGGTT TACAGAAAAT TCTAGGGGTG GTACATGTGC TAAAAGACTT  
57061 TTAGTTTTTGA GGGAAAGGAA AGTGGAAGAT AAACCAAGTA TATAACTTTT AAGAAGTTGA  
57121 CCTTTTGTGT TAAATGTGGG GACATCAGCA GTGGACTTTA TAGTCCTTGG TGCCCTCTTA  
57181 CTGAGAAATT TCCTTTAGCA CCTATTTTTT TTAGTTTTTA GACCAAAGAA AGTCAAATGC  
57241 CATTTTATAT TTGACAACGC TTCTTGTATG TTTATACCAG ATAAGCTAGA TTTACCTTTT  
57301 ATATTGGTGT GTTATTAATG TTAACTTAG TTTTAATAAA ACTCTGTAGA CATATTTATT  
57361 TGATTTTTTAA TGTCTGACCA TAAGGTAAGA TTTTATAGA CTTTCTTTA ACCTTTTATA  
57421 ATTTTTGTTA AAGAACAGGT TAGTGCTTTA AGAAAAACCC GTTGTGTTTT TATTTTAATG  
57481 TTCAGTTCAC AGAAAAACTG TATGATACCC CTTAACTTTA GCCAATATGT TTAGACACAG  
57541 AATTTTCTTT ACAATTAAGG TTTCAAAACT TGCTTAAACC TTCAAAACAA TTTTGTAAAC  
57601 CTTTTAATGT AGGTAAAAAT CCACATTCTT ATGCATCCTC ATAATCCTTT TACCAAGGTT  
57661 ATATTTTACT TTCCTTACAT ACCTTGACCA TAAACTGTTT ATTCAATAGT TTTACATTTA  
57721 GAAGGAGGCC TAATTACTTT TAAATTATAC AACATTTCTT GCATAAATTT ATTTTCTTAA  
57781 CACACATTTT TTTTCTGACT TTCACAGACA ATTCTTCGAC ATGCCTCAAC TTTCTGACTT  
57841 ATTGCAACA TCCCTTTCTT TAAACAACCT GTTAATTTAT CTCAGGACAA GGATTTTCCA  
57901 TACAACATTC TTTTCTATAT AAATCTTGCC TCCTCTTTAT TTCCTTTTTT TTTTCCGAG  
57961 GATGATAACC ATTCTTTTCC AAAGCGAAGT TCTTTTATGT CTGTGGACTA GACTGTCTAA  
58021 GGCCACAAGA TTAGAAGTTA CTATAATACA TGTTACACTG TTAACTTTTA GCAAACTTTA  
58081 CTTTGTGTTA AAACCTTGTA AGTTTGGGAT TTCAATTATC CTTTGCTATT AATAAGACCT  
58141 TATTTAGTCC AAATTAACCT AGAATTGGTA TAGATGGCTT TTTTTTTTTT TTTAATTACC

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58201 TGGGAGGAAC CATCTATCCT CCTGTCCTGA AGGGAGTTCC TCCTAGGTCT GGTGAGAGCT  
58261 TTGTATGGTA ATTAAGATTT AGATCCCCCTG TTAGGAAACC TGCCGGGTGA AGAGAATTTT  
58321 CAGTGGTTAA TGTAAATCA TCTTCTTTTT TCTTTTTTCC TTAGGATACT TCTGAACCGG  
58381 TGAGGTGTGC TCACAAATGAG GTTTCCTGTA AAAGTTATTT TTTTACTTTC TTCTGTTAGC  
58441 AAAGCAGTTG CCGCTACAGA TTGAATGCAT TTGGGCCATC CGCGGGTTAC TGGGTAAAGG  
58501 ATTTTGTGATA GGAAGGCCTT AATGCTTTTG GAATATGCCC TGACAACAAA GTGCCAGTTC  
58561 CTTCCCGGTG TTCAGCCACT GCGTTGATCC TCCACGAGGG CCTGCCACGT GCTGCTCTGG  
58621 TGAGGCGTTC CACCGGGGCA ATTGCCTACC TGGGAGCGCT CTCCAGATCT GTGTCGCTCA  
58681 AACTGGCTGG AGTTCCCCGT AGGGATGCTC CACAGGGCAG GCCTAAGTCG CCTAAGGGGC  
58741 TGCCTTGACC GTCCGTAAAT CACCTCTGTC TCCAAAAACC AGCTCCCTGA GTGAGCAATT  
58801 CCTGTCCCTT TTAAGGCTT ACAACTCTAA GGGGGTCTGC ATGAGAGGGT CGTGATTGAT  
58861 TGAGCAAGCA GGGGGTACGT GACTGGGGCT GCATGCATCA GTAATCAGAA CAGAACAGAA  
58921 CAGCACAGGG ATTTTCACAA TGCTTTTCCA TACAATGTCT GGAATCTATA GATAACATAA  
58981 CCTGTTAGGT CAAAGGTCGA TCTTTAACCA GACCCAGGGT GCGGTGCCGG GCTGTTTGCC  
59041 TGTGGATTTT ATTTCTCCCT TTTAATTTTT ACTTTTTCTT TCTTTGGAGG CAGAAATTGG  
59101 GCATAAGACA ATATGAGGGG TGGTCTCCTC CCTTAATTTA AACAAAATTT TCAAAGTCCT  
59161 ACCCAAGTA AATTGGCAA TATTAATAAA GTTATGGCAT AGAAAATAAA AATGATTGTA  
59221 AAAGGCGTAA AGATATTTCT GTGGGGAAAA CATTTGTTCA TTAGTTATCA GTTAAAATTC  
59281 TGTGAAAAAT AACCACCTAGA GACCTTAAAG TACCCAGGGG CTAATAATAA GAAGGGAGGA  
59341 ACACCTCTC AGTCCCCACC GTTACCTCCC CAGAAGGGAA GAGGAAGAGG GTGACTCCAG  
59401 GAGAGCTGTG GTCTCCCCCTC CCCATATGTC CACATATACC TGACCTCCCC TCCCCAAAAT  
59461 ATATACCCAA TATCTCTCCC ATATATACAT ATTTATCTGA CCTCTCCACA TATGTATACC  
59521 TAACTTTCT CTATATATCC ACATATACCT AACCTCTCA CACACATATA GCTGACCTCC  
59581 ACTGGAGGAA AATGGGGAAG AGAGAAGAAG TTATCAAAGG ATAAATCTAG GTCATACTCA  
59641 GAAATGTGAA AAACAAAAAC CACACACAGA AAAAAAAAC ACACACAAAA AAGAAATTGA  
59701 TAAATTTGTT TGTGTCAAAA TTAAGAATTC CGGTTCAATG AAGGATCCCA TGGATAAAGT  
59761 TAAGACACTG CTGTAAAGAT GGTAGAGAAT TAAATGTCTG AATCAGACGA AAGGATGAGT  
59821 AATTAGAATG CACAAGTCCA AGAAGAACA AACAGAAACT CCACATAAAA AATGTATGAG  
59881 GCCGGGCGCG GTGGCTCATG CCAGTAATCC CAGCGCTTTG GGAGGCCAGG GCGGGCCGAT  
59941 CAGGAGTTTG AGACCAGGCT GGCCAACATT GTGAAACCCC ATCTCTACAA AAAATACAAA  
60001 AAATTAGCCG GCGGTGGTGG TGGGTGCCTA TAATCCCAGC TACTTGGGAG GCTGAGGCAG  
60061 GAGAATCACT TAAACTCAGG AGGCAGAGGT TGCAGTGAGC TGAGATCACA CCATTGCACT  
60121 CCAGCCTGGG TGACAGTGTG AGACTCTGTC TCAAAAAAAA AAAAAATTA TATATATATA  
60181 TATATATATA TATATATATA TATATATATA TGAAATAAAT GAACAAGAAA TTTAGATACA  
60241 GGAAAATCCA AAGCACTTGG TAATGAAAGA AAGGTAAAGT GATGTGTCCT TTTGCATTTA  
60301 AAAGAGAGCA TTAACAAATT AGAGAGCTGA ATAATGCTCA GTATTGGTGT GGATATGGAG  
60361 ACTCAGGAAT CCTCATACAC TGCTGATGGG AGTGCCCACT CCCTGGGAAT ATTTTCCAAA  
60421 TATCATCTCA AACATATCCC ATAAAGGTGA CAGGAAAGTG TGGGCTGACT GATATCCTTC  
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60601 ACCTTTGTGT ATATTGTTCC TGGCAGGTAG GCATGGAGGT TTAGAGGCTT TCTACATCAC  
60661 ACCTACTGCA CACAGTAAAT GGCCAGGCTG AGCACTGACT TCCATGAAGG GAGATTGAAG  
60721 GTAAGAGATT GAAGATTGTT CCCTGGTCTG GGACCCTGCA ACTGAATATG CAGAAAAAAG  
60781 TACACCCCGC CACCCCGCTT CCCATCTTTC CTACCTGATT AGAATAGCTT TTTTCAGAAA  
60841 CGTTGGCCAG GGGTTGTGGC TCACACCTGT AATCCCAGCA CTTTGGGAGG CTGAGGCGGG  
60901 CAGATCATCT GAGGTCAGAA GTTCCAGACC AGCCTGGCCA ACATGGCGAA ACCCATCTC  
60961 TACTAAAAAT ATAAAAAAT AGCAGGGCAT GGTGGCACAC ACCTGTCATC CCAGCTACTC  
61021 GGGAGCCTGA GGCAGGAGAC TCACTTGAAG CACAGTGATG GAGGTTGAAG TTAGCTGAGA  
61081 TCTTGCCACT GCACTCCAGC CTGGACAACA GAGTGACACT TTGTCTCAAC AACACAACA  
61141 AAACCCACCA AAACCTTTAA TCTACCTATG GCCAAATGCC TGCTAAAATG AGCACCCAAG  
61201 AAGCAGTGTT CAGGAAAGTC AGATGAATAC CCTAAAATTA GATGCAATGT TGGCTGGTCA  
61261 CAGTGGCTCA GGCCCTGTAA TCCCAATCCT TCTTGGGAGG CCGAGGCGAC AGATCGCTTA  
61321 AGCTCAGGAG ATCGAGACCA GTCTGGACAA CATGGTGAGA CCGTGTCTCT AAAAAACGT  
61381 AAAAAATGA GCTGGGAGTG GTGGCGCACA CCTGTAGTCC CAGCTACTCA GGAAGCTGAG

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61441 GTGGGAGGAT CTCTTGAACC CAGAAGGCGG AGACTGCAGT GAGCAGAGAT CATGCCACTA
61501 CACCCCAGCC TGGATGATAG AGCCAGACCC CCATCTCCAG AAAAAAAAAAAT AAAGAGAGAG
61561 AGAGATGCAA TATTTAGGGT TCAACAAGAC TGAACCTCTG ACTCCTTTCC CTACCTCTCC
61621 AGCATGTTAG ATTCTGGGTC CTTTCATCCTA ACCCCCTGTT CATGCCATAG CCACCCTGTG
61681 GTACCAACTT TGGAAAGCCTG GATCTTCATC CCCTCATGAT AATGAGTGTC CCATTTCAGGT
61741 CTCCATGCTC AGCTTGCCAA GAGTATCTGT CTTCTCCTCA TGGGACGGTC ACATTACCCC
61801 AGCACTGACA GGTTCATTTC CCACTAGGGT GGCACCCTAT ATGGTCTGAG TCCAGGCCTT
61861 CCTGGTCCCT CAGTAATCTC AGCATGGTAG CACAATCGAA AAGGGCTAGG CACGGCAGCA
61921 CCATTTCCTA CCAAGAGGTC TGATGGCTCA TCACATAGAC TGAAGGAGAT TCTGAAGAGC
61981 AGAGGTGGAA TGAAGAATGA ATCCTGGGCT CTGCTCTTCC TAGGCCTGTC TTCCTCTCTC
62041 CCGAGATGTT AGCTAACTCA TGAGAGCCAG AAACCAACTG CAGGCTGGCC TCAGGCACTT
62101 AGGTAGTGCT TCAGCCTCAG CAGTCCACAT TCTAGGAACC CTCATAATAT GGGTTGAAGT
62161 ATGCATTCCC ACAAAAATAA AGTTGTTGAA GTCCTAACCA CCAGTACTGA AATGGGAAAA
62221 GTTCCCTTGT CCCGCTCGCA TGGCATGTGA TAGGAGTGTG GCTAATTTCT TCAGTGCCTG
62281 GCTGCTCAAA CCTCTAGGGG AACAGTAAGA CGGGCAGGTT GTGGGTCTCC AACCCCATGA
62341 CCCCACCACA GTGTCTAGGG TTGAATGTTT ACAGCTCCTG AAGCCACAGT GGGTGTGTGT
62401 TACAGGGTGC TCTTTTAGTT TTGCCATTTA TAGGCAGCTG GTGTAAACCA ACTCAATTAG
62461 ACCGTCTACC TTGTCCCAAG GACAGAAGAA GGCTTTCTGT ATCCCAGGTT CTTGCCTTGG
62521 TGTACCGGAA TAAATCAGAC CACACCTGGG CTTAGAGAAA GAGTGCAAGG TTTTATTAAG
62581 TGGAGGTAGC TCTCAGCAGT TGGGCAAAGC CAAAAGTGGA TGGAGTGGGA AAGTTTTCCC
62641 TTGGAGTCAG CCACTCAGTG GCCCAGGCTC TCCTGCAACC ACCCCAGTCA AATTCCGCCT
62701 CATTTTGCCA GGCAAACGTT TGTTGTGTGC TCTTCTGCCA GTGTGCTCCC CTGGACGTCC
62761 AGCTATTCGT GTCTTGTGGC AGGCCAGGGG AGGTCTTGGG AAATGCAACA TTTGGGCAGG
62821 AAAACAAAAA TGCCTGTCTC CACCGTGGTC CCTGGGCACA GGCCTGGGGG TGGAGCCCTA
62881 GCCGGGGACC ACGCCCTTCC CTTCCTTCTA TCCATATCAT TTAAAGGGAC CATGCCCTTC
62941 CCTTCCCAGC ACTTTCCCCC TCCTGTATCA GGACCTGTGA ATGTGGCCTT ATTTGGAAAT
63001 AGGGTCTTTG CACTTCATCA GTTAAGATAA GAGTGGGCTC TAACCCAACA TAAAGGGTGT
63061 CCTTATAAAA AGGAGAAATG TCATACACAG AGACTGACAC CTATAGAGAG AAAATGTGGT
63121 GAGTAGACAC AGGGAGAATC ACCATTCAAG TCAAGCAATG AGTCTGGGGA TACCAGAAGC
63181 TGGGAGAGAA ACCTGGAACA GATTATCCCT CATTGCCCTC AGAAGGAATC AAACCTGATG
63241 ATACTTTGAT TTCAGACTTC CAGCTTCCAG GACTGTGTGA CGATAAATAT CTGTTGTTAA
63301 GCCAACAAGT TTGAGGTACT TTGTTACTGC AGCCCCAGAA AACTAATACA GTAGGTACTA
63361 TGGACTGAAT TGTGACTCCC CGTCGCAAAA TTCATATGTT GAAACCCTAA CCCCAGTGT
63421 GATGGTACTT GGAGCTGGGG CGTTTGGGAA GTCATTATAT TTAGACAAAC TCATCAGGAT
63481 GTGTCTCTCA TGATGAAATT CATGCCCTTA TTAAAAGAGA CAACAGGCCA GGTGCAGTGG
63541 CTCATGCCTG TAATCCCAGC ACTTTGGGAG GCTGAGGTGG ATGGATCACC TGAGGTTGGG
63601 AGTTTGAGAC CAGCCTGGCC AACATGGTAA AACCCCATGT CTACTAAAAA TACAAAAATT
63661 GGCCAGGTGT GGTGGTGCAC GCTTGTACTC CCAGCTACTT GGGAGGCTGA GGCAGGAGAA
63721 TCCCTTGAAC CCAGGAGGTG GAAGTTGCAG TGAGATCACA CCACTGTACT CTAGCCTGGG
63781 TGATAGAGAC TCCATCTCAA AAAAAAAAAA AAAAAAAGAC AATAGAGCCA GGTGCTGCAG
63841 CTGATGCCTG TAATTCCAAC ACTATGAGAG GCTGAAGCAG GAGGCTCGCT TTAGCCCAGG
63901 AGTTCAAGAC CAGCTTGGAC AAAATAGTGA GACCCCCAAC TTCTAAAAAT TAAAAAATG
63961 AACTGGGTGT GGTGGTACAC ATCTGAGGCT CCAGCTACTC TGGAGGCTGA GGTGGGAGGA
64021 TTGCTTGAGC CCAGGAGGAG GCTGCAGTGA GCCATTGCTG TCCAGCCTGG GCTACACGAG
64081 AACCTGTCTC GGGAAAAGGA GAAAACAGTG AGACCTCTTT TTCTCTCTC CTCTCTCCA
64141 CTGCCTAAGC CCTACAAGCA CAAAAAGGAC ACCACATGAG CACATAGTGA GAATGCTGCT
64201 GCCACCAACA AGTCAGGAAG AGAGCGTTCA CCTAGAAACT GAATTGGCCA GCACCTGGAT
64261 CTTGGACTTC TGAGCTTCCA GAACTGTGAG AAAGTTATTT TTTTTTTAGC GACTAAGTCT
64321 ATAGTATTTT ATTACAGCAG CTCAAGGTAA CTAACATAGT AGAAGGGATG AATTATGGAG
64381 ATCACAAGTC CACGCCTCCA GAAAAAGACT TCCCTAAAAA TTAGTCTGAG CAAAATTCGA
64441 ATGATGAATT ATTTTAAAGA ACTTTTAAGG GATCTGACAA GTTTGCAAGA GCTAGAGAAT
64501 GCTTTACAAC GTGATAATAG AATGCTCTGT GATGACAGAA ATCTTCCAC ACTGTTCAAA
64561 ACTAGCTACT GGCCACTTGT GACTATTGTG CACTTGAAAT GTGACTGGTG TCTGAGGAGC
64621 AGAATGTTTA ATTTTACTTA ATTTTAATTC ATTACAATAG CTACATGTAG CTAGGGGCTA

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64681 CTGGATTGAA CAGCACAGCT CGAGTCTTTT AGAGGGAGAC AGGACTCACC AAGGTGGATG  
64741 CTGGTGGCCA AGCAGCAATG GCAGGTAGTA CACACACAAG AGGCAGATGA TACAACACAT  
64801 CCTTCCCCAA CCTGGAGATA AGCTCACCCC ACAATCCCGC CGCTGAAATA GAGTTGATGT  
64861 TACCAATGTG CATTTTTATG TCCTTTTCCA TACAGAAAGA TCATTCAACA AGTACTATGG  
64921 TACTTAAAAA ACAACATTCA ATTCATTATT ATGACAAAAT TAAATTAATA GCTCTTCCTT  
64981 AAACCTTTTAA ATTCAAATTA CAATGCTTAC TATTGGCATT TATTAATCTA CCAATTTTTT  
65041 CCCATAGAAC CCATAGAACA AATAATCTAC CAAATTTTTA ACATTCATTT TTGGCAAGGC  
65101 TTTTGCAATT TGACGAACCT TAAGAAGAAA ACTTATAAAT TGCAATTTTT AAATCTGACA  
65161 TACTGGACTT TTAAAGTATC CAATTGACTA ATGAACAAAA CTGCTCCAAA TTTTTCATTT  
65221 CTTAAAAATC TTAAGACAAT ACTTAATATG GCAAATCTTA ACTTCTTAAA CTTTGTAAAG  
65281 ATGCTAATCA ACTTAGATTG GTATAAAGTT GAGTTAAAAA TCACAGGATA CATCATCTCA  
65341 GCTATAAGTT TTCATGAGTT GAGTTTTTAC AATCACTTGA AATGCTTAGA ATAGGAAATA  
65401 CGTATAAATT ATTTAACATA AAATATTGTT ACAAACCTC TGGAGTGTCA GTTCTCTGG  
65461 CCAGACTTTA TGCTGCAGCA CCTTTGCCCTG AGTTCTTGTC CTGCATCCAG GAAGAATTAG  
65521 GTACAGAGGC AAGAGTCAAG AAGATTAGTT TTCCAATAGT TCAGCTCACC TAGTTAACTC  
65581 CTGTTTCAAA TCTTCAAAGT TATCAGAAAC CTGCAATTGA GGGTTATAAT CCATTCTTTG  
65641 CAGAGTTTCA AAACAAGACA ACATTTGTCT ATGAATGTTA AAATGTCCCTA GGGTAGTCAC  
65701 AGTCAAAAAC ACAATTGACA AAGAAATTTA GTCACCTCTG TGATTTACAA TAGCCTAACA  
65761 CAATAACTCT AATTATAACT GATGACACAA ACTCAGATAT CAGAACTCTA GAAATCCCCCT  
65821 ATAATTTTGG AACACATATT CACAGTTTTT ACTGAAATAT GACCTGAAGA TCAAAATATCA  
65881 CCTTATTTCA ACAATCCTAT ATAACTAAAC GTGTCAAATG ATCCTGTTTA CCTCTCCTTT  
65941 GGATACTCCA GGGGCCCTCT GTAGCATCCA AAAGTTAGGG GTTAGCAAAG ACAATTTTGA  
66001 AGCTGTAAAG GCTCAAAACA CTTAATGAAC CTCTAGTCAT ATCTGTTCTC TACTCACTAA  
66061 ATGCTAGTAG CACCTCTCAG TTGTGGCTAA GCTGGGAGGA TCTCTTGAGC CTAGAAGTTT  
66121 GGGGACGCAG TGAGCTATGA TTATGCCACT GCACTCCAGC CTGGGCAACA ATGCAAAATC  
66181 CTGTCTCAAA AACAAAAACA AAAAACAAAT TGCCATATGCT GTGGTTATCT CACAATTAAT  
66241 AAAAAGGAAA AAAAAGTAT GCAGTCTTTG TAGGTCCTTG GGGTTTGTG GAACTCAGAA  
66301 AACAATACCC CAAAATAAAG ACCGCAGAAG CCAAAGTTTT TCTCTGATCT TCTCCTGCCC  
66361 TCCTGTCTCT GAGTCCCAT CTCCCCGAG TCTAGCCATA GAAATGAGAA TTCCCTCTCC  
66421 TCAAGTTAGG TCATAGAAAT CAAAACACCT TTTCCCCAGA GCCCAGCCAT AAAACCTAAA  
66481 AATATTACTC TAACTTTCCC TCTGTTTTTC TGTGTAAAAA CTGGCCATAA AGAAATTATC  
66541 TGAAGTACCT TATTTGATCA TAGATCACC GACCGCATTC CAGAGAGGAT CCAGAAGGAA  
66601 GGAATGCTGC ACAGAGAGGC CAAGAAGAAT CTAGACAGAC AGGCCTTGCT GGGTTTCCCT  
66661 ACTCTGTTTA TTAGCAATCC TATTTCTACA CGGCGGCCCC TACTTTGTTG AATCTAAAAA  
66721 ATAAAAATGG ACAATTTCCC CTGTACATGT TAATACACAT TAATAAATTG GATATAAATT  
66781 GGATAATTTA TTAATATACA CATTAATAAA TTGGATGCAG CCGGGTGCAA TGGCTCACGC  
66841 CTGTAATCCC AGCACTTTGG GAGCTGAGGC GGGCAGACCA CGAGGTCAAG ACCACCCTAG  
66901 CCGAAATGGT GAAACCCCGT CTCTATTAAA AATACAAAAG TTAGCTGGGC GTGGTGGCAC  
66961 ATGCCTGTAG TCCCAGCTAC TGGGGAGGCT GAGGCAGGAG AATTGCTTGA ACTCGGGAGG  
67021 CGGAGGTTGC AGTGAGCCGA GATTGCGCCA CTGCACTCCA GCCTGGTGAC AGAGTGAGAC  
67081 TCCGTCTAAA AATAATAATA ATAATAATA TAATAATAAT AATAATAATA ATAAATTGGA  
67141 TGCATTTTAT CCTATTAATC TTCCTCTTGT CGGTGGTTTT CAGCGACTCT TCAGAGGCCA  
67201 AAGAGTAAAG TTTCCCTTAG CCCCTACAGG TTCTTATGTT TAATTTGTTA CTCTCATTTA  
67261 AGACATAATT AAAGTGGCTT CTCCATGAAG ATTATTTCTG CATCCATTAT TTGGTAAGAT  
67321 TGGCCGTTTT CTCCTTTGAT CTCTACTTCA CACTGACCCA CATAAAACAT CACTGCCTGT  
67381 TTTTTTGTG TTGTTGTTG GAGACGGAGT CTTGCTCTGT TGCCCAGGCT GGAGTGCAGT  
67441 GGTGTGATCT CCGCTCACTG CAAGCTCCGC CTCCCCGATT CACGCCATT TCCTGCCTCA  
67501 GCCTCCTGAG CAGCTGGGAC TACAGGCACC CACCACCAAG CCCGGCTAAT TTTTGTATTT  
67561 TTAGTAGATA CGGGGTTTCA CTTTGTTAAC CAGGATGGTC TCGATCTCCT GACCTCGTGA  
67621 TCGGCCCCGCC TCAGCCTCCC AAAGTGCTGG GATTACAGGA GTGAGCCACT GCGCCCCGCC  
67681 CCGTTTTTTT TTTTTTGGTT TTTGCATGTC TTCTCCCTTT TACTGTAAAC TATTTCCACT  
67741 ACCAGCGTAG TTATCATTTT TACTGCTTAA TAATTGTTTT GGGGAAGTGA ATGCATCAAC  
67801 CCACATGAAT TTCTTGCTTA TTTGACAATT TATTCTCTTT AGGAATAGTA TTAACCTCTA  
67861 AGGTCTTGGG AGCCAGTCTC TGTACTTGGC TGCTCCAGGG TCCTACTTCA GTTTCCCAGC

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67921 TTCTCAGTAC TGTCAGTCTC AATTGTGGGT AATAATTATT TTTGTCCACC AAAAGACTCT
67981 GTATGTGAAT GAGTTTTGAA ATCTGCTGAG TAATACAGTG TCAACCCAGT TAATGATTTG
68041 CCGGGCGGCT TGATCAGGGG CTGTCCAACCT ACCGGCATTG TGATTTGGAG CGTCATCTAG
68101 TGTCTGAAAG CACAAACAAC ATCCTACATT GTAAATGCCT TTGGCTACAG AGATTGAAAC
68161 CAAAGCAAAC CTATGTTTTG AATTGTTATT CTTCAGCAGT TCTGCTAGCC TTGAAAAATC
68221 TAAAAAGTTAA AAAAAAGCTT TATATTTTCA TTTCTGCCTA AACTCTTTAA AATTGCTAGT
68281 TGACAATTAG ATATTTTCAA TTTAATGAAA TTTTTTTTTT GTTCACAGAT TAATACACAA
68341 TGGGGGAGGG TTCTTATTCT GTTGGACTTT TACATAACCT CCACTTTAGT GCAGTCTGCT
68401 TTATGGGGTC TTGTTTGAGG TGTGTGTGTG TTTAAGGGAA TGTGGTTTAC AATCAAAATA
68461 TTGGGTTGCT CTTAGGCACA TTGTAAAGTC ACACACCTGT ATTCTTATTG ATACATAATG
68521 ATTAATAACA TTATTATTAC AGCCTGATCA CCATCATTAT TGATATATCT AAATAATGAA
68581 TTTTATAATT TTGCTTCCTG TCAGGCAAGA GCCAATTTCA GTGCTACCAT GTTTGTATAG
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68701 AGAAGCGATG GTCATTTTAC TTCAAAAATG AAAAGAATTA ATATTTTAC GTTTCCCTTA
68761 AAGACCCTAT GTTTAACCTC CACTCCCGGG TAAAATGGTC TAGTCCCTCC TTTTCATATC
68821 ATCTCTGATA TCTTTTGCAC AGCCACTATT ACCTACCGTT TTCTAGATCC CTATTCTTCA
68881 AACACCACCA TGAAGGTAGA GCCTGTCTGA ATTATTTTCT TGTCCCGTGA ACTCAGTACA
68941 TTGTTAGGCT TCTTGAAGAT GTTGATCAGT TGTTTGTGGA GTGAATGAAT CAGCTAGCAT
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69061 TGCCTGTGCA ATCCATGCAG TCTCATGGCT TCCCAGTGCC TCAGAATTAT CCCCTGTCAA
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69241 AGGCGGGCAG ATCAGCTGAG GTCAGGAATT CGATACCAGG CTGGCTAACA TGGCGACCCC
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69361 ACTCAGGAGG CTGAGGCAGG AGGATCGTTT GAGCCCTGGA GGTGAGGCT GCAGAAAAAT
69421 AGGAATATAC TCTCTTTCAA GAGTTCGTGG TTTTGAAGTC CACCTAGCGT ACATCAGAAA
69481 AACC GCATGA CATAGGAAAT GCCTGTGACA GAGGGGTAAG GTGAGAGAGG TTGATGAAGA
69541 ATGTATTGAA GGAGTGAAAA CGCTTCCATC CCTCTACTTA CTAAATATAT TAGTTAAGTA
69601 GTTGGGGCAT ATTTTAATTC ATGCATTTTG TAGATAGAAA AACAAAAAGTT TTATTCTGTT
69661 TGATTTAGTT GATACTTTAA TATGTGTGTG TTTAGGATGC ATGATTTATA ATCAGTCTGC
69721 AGCACTTCTT GGAGAAGTCT GAATTCCTCAT TCTCCATTTT CTTATTGGCA ACGTGAGAAT
69781 GATTACAATG GTGGTTGTCT CATAGAATGC AGGGAGTCAG AATGAAAAATA GTCCATATAA
69841 TGCCTGGTGC AGAGGAAGGG TTCAGTTAAC TGTCTGTATT AATATTACTG ATAACAGTCA
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70021 TTTTGTACT TAAAAATATG CAGAGGTTGT TCTAAGAACT ATTTAAATGT TAACTCCTTA
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70381 ATCCTTTGAT AAGCAAACAT AATAAAAAAT TGATATCAAT CAAAACCTTC ATGTAATGTA
70441 AGCAGGTTGA GATGAATTCT ATAGTAAAAA AGTGCAGAGT GCTGGAATAC CATGCTCCTA
70501 ATATATTGGC TAGGCACACC TGCCTGCTAT CAAAGGTATG CACACACCTT GGATACAGAA
70561 AGTTGGGACT GGGTAGTTAT GTGAGTGTC TCAAGATTCT TTCCCACTTG GGAAGAATT
70621 GTCCATCATA AGCTTGGATG ATGGACAAGG AGTGAGCTCC CAGAACAGTG ATGTGGGGAT
70681 ACATCCTCAC ATCACAGTGA GAATGAGTGT TCTAGACTGT TTACACACCT ACCACTCCTA
70741 AATGCACACA TATAATTGCT TGCACACACA CACATACACA CTCATCTCTT CTCTGGTGGT
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70981 AAAAAAAAAA AAAAGAAAGA AACAGAAAGG TATCATACAG CAAGGATCTA ATGCAATAT
71041 GCCTCAAATG AGAGGCTACT GTGTGCTGAT CCCAATCCCA GGAAGTGTAT GCACATTATC
71101 TAATTTAATC CTCAGTGTAT TTCTGGGAGT ATTATTCCCA TTTTACAGAG AAGGAACTTG

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71161 GCAGGGTAAC CAAGCTCATG AATGGAGAAA CTGGGATTAA ATATAAAGCT TCCTTGCTCC  
71221 AGAACTGCTG TCTTTCTGCT CTTCCACACT ACCAGCTCAG CTGTGCTCTC TACATGCAGG  
71281 CAGTTTACAG AGTTTCAGAT TAGCCTGGGA CTTCCAGGGT TTTGAATGGG TTAGGGAATG  
71341 GGGAACTTTT GGGTTTACTT TCCATTTTTT CTTTCATACAT ATGTAATATA TAACATAAAT  
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71461 ATAAATAAAT ATTAATTTTA TAATATTTTA AAGGTTATCA AATAAATATT AATATAAATA  
71521 ATTAATAAAT TAATACTCAG CTTTGTTCCT CAAAGTGATA AATGCCCTATA TTTAGCAAAA  
71581 TATTTTTTGG AGGCCTGATA GTTTTAAAGG GTGTAAAGAA GTCCCTGATAT CTAAATGTTT  
71641 AAGAACCCTT ATTTTAGGCT GTTGTCTTCT GTCTTATTTT CCCAGCTAGA CTGGTAAATA  
71701 CTTGAAGGCA AACGTTTAGC CAGCACATTA ACATTTTATG TTTTATTTCT TTTTCTGCTC  
71761 CAGTGGCTGT GTCTTTTCTA TCGATTTCTC AACTGTATAT ATGGTTATAT TTGTCTGTAT  
71821 CTGTCCCACC AGGTATAAGT TCTTGAGAGG ACACACTGCT AGGCTGATCT TAGTTTTTAT  
71881 TATTTCTCCT GGTGTCCTGT GCTTAACAAG TGCTCATTAAG GTGTGTAAAA ACACAGCACA  
71941 GTAAAAAAT AGACATTAAA AAATAATGTC AACCAATCTA TTGAAATTTG CATTTCCATG  
72001 TTTCTTCCAA TATAGTCATT GTGTCAGGTT ATGTACTTAT TCTGATGAAG ACTATTGCCT  
72061 AATATACGTT TGCATCTTGT GCTTTATAAC TGCCTTCATA TAGACACAGA TTGAGAAGGT  
72121 GTAAAAATGT GCATATCCTC ACAATTGACA AATTCCTTAT CTTTGAGGGT AGGTTTGACT  
72181 TTCTGAAATG CTTTGACATC ATTTGAAAGA AGCTTGAAGA ATAAGATAGC TGTAAATGAC  
72241 CCAGTTTCCT ATGTCACCTA TACAATTATA ATGGCAATTT CAAAATGTTA GGTAAATATA  
72301 TTTTGCAATA TATTGTTTCT TTTGTAATAC TCTCTATGTA TTTATTTTATA TTTTAAATTT  
72361 TTATATTTAT GTATTTATTT TTCTGGACAG AGTCTTGCTC GTTGGCCAG GTTAGAGTGA  
72421 AGTGTGTGTA TCATAGCTCT CTGCAACTTC AAACCTGCTG GCAAAAGTGA TCCTCCTGCC  
72481 TCAGCCTCAT GAGTAGAGTA GCGGGAACCT CAGGCGCATG CCACTGCACC CAGCTAATCA  
72541 CTATTTATTA TGCTCCTACT GTGTGCTTTA GTATATTTTC TGTGTGTTTC TGCAACCCAT  
72601 TTTGAGGGCG TGTAGGGGAA TACAGATGCA GTAACTTTGG TCTCAGCCCT TGAGGTGAGG  
72661 AAATATTTAG CCTCAGGTTT AATCTAATTT GTGGCCATTT GCCTTCAAAG ATTGAAATAT  
72721 GAGCAAAATG GTGGCTCTGG GTTATATGTT AAAAAAAGT TTATGGGGCT GAAGCCAGGC  
72781 AACAGACAAG AGCCCTTACA ATCTTATTTA GGCTGAAAAT ATCCTGGAGT CCTGTATTG  
72841 TTGGTCTCAA GCAGATAGCA ACACCTAAC TTTACTCTTG AGGCAGGCAC TGCCAGTGGG  
72901 GTGGCTGTTA TTATTAGCTT CATTAATTTG TGAGTCAGGA AAAACAGCT TTAATCATTT  
72961 CAAAGTTCTG GCCTATACAG GATTTAGTAA TATTAGGTTA GCTACATCCA AAAGATGACA  
73021 GAACCCTACT CTAAGGCTGG GCTTGGTGGT TCACACCTAT AATCTCAAAA CTTTGGGAGG  
73081 CTGAGGCAGG AGGATCACTT GGTGCCAAGA GTTTGAGACC AGCCTGAGCA ACATAGTGAG  
73141 ACCCCTGTCT CTATCAAAAA CAAAGAATCT TAATTGGCAT AGTAGAAGGA AAAAGTGAAA  
73201 GAAAAACCAG CTGTCACCCT CATTCCTTAC ACCTGTCTTA ACAACTCCTC TCACTATCCT  
73261 TTGAATATAT CTTGGCTGTT TGAGTCTCTC TCTAGCCCCA TTACTGCTGT TTGGACTTGA  
73321 CATTTTGCTC TGCATTTTTA ACTTTTCTAC CAGGGTTTCC AGACCCTGAA GAGTGTGGCA  
73381 TGAAACAAAA CTAGTCAACC TATAATATTT ATGATGTGTG TGTAAATAAA AGAATACACA  
73441 ATATATTGCA TTACAATATT TTAACGTGTG CCTCAATTTG TTTGTGGCTT TCTTGAGGAC  
73501 ATCAGTTTTG GGTGGGACGA CCACATCCTT AATCTGAACT TTCCCTTGGA GGTCAATCTT  
73561 TTTTGTGGA AATAGAGTCT CGCTCTGTCA CCCAGGCTGG AGTGCAGTGG CGCAATCTCA  
73621 GCTCACTGCA ACGTCCGCCT CCTGGGTTCA AGTGATTCTC CTGCCTCAGC CTTCCAAGTA  
73681 GCTGGGATTA CAGATGCACG CCACCATGCC GAGCTAATTT TTGTATTTT AGAAGAGACG  
73741 GAATTTACAC ATGTTGGTCA GGCTGGTCTT AAACCTCTGA CCTCATGATC TGCCACCTC  
73801 AGCCTCCTAA AGTGTGCGGA TTACAGGCGT GAGCCACCCC GCCCGGCCAG AGGTCAATCT  
73861 AATAGACTTT TTTTGTGTTG TTGCTCACAG GCTTGTTCAT TCTTATTTCA AAATTTGAGA  
73921 AATACAGTTT CCATGGAACA CCAACCAGAT ATCAGGTTGC TATGGAGTTG ATAGTCAAAA  
73981 GCTTTGTATC TTCCAGTTTT TCAGAATGGC TTCTAAAGGT TCTGATTGAG AGCTCTTAGG  
74041 CGAAATTGAA CAACCAAGTG TCAAAGTACA ACATTCAGGA AGTTAAAAAC ATGACTGACA  
74101 TATATGTACT ATATATAGTG AGCTTGTGTA TGTGTCAATG AATGATTTAA TTCATTAATG  
74161 AAGGAGGAAG CAGAATCACA ATTAGGTCAA AGGAAGATAC GGGAGAATAA AATATGTATT  
74221 TGGTCAGGGA AAGGATGTAT ACTGGAAGAG GAAGGGAAAA TCAGATATAA AGTTGTTTAA  
74281 TGACTTATTA GGCAATACAA TAATAACTTT TAGGGTCATT TTTTCTATAT TAAGAATTCA  
74341 TTTCCATCTC TATGACAAAA TCCTTATTAA TTTATTAAAC TTCTACAAGT GAATGTTTAC

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74401 TTTTAGATAG TCTGGACCCA ATAAAATGTA AACATTAAGT CAGAGTTACT TTCACGTAGG  
74461 ACAGTGTGT CCAATAAGGT ACCACTAGCT ACACGTGATC ATTGACCATT TGGACTATAG  
74521 CTAGACTGAT TTAAAATGTT CTAAAAGTGT AAAATACACA CCAGGTTCTG AAGATTTATC  
74581 ATTTAAAAA GAATGTCAAC TGTCTTTTTT TTTAGCTTAT TTATTATATG TTGAAGTGAT  
74641 AATAGTTTAG ATATATTAAG TTAAATAAAA TATCTTAAAA TTAATTTTAC TTGTTTCTTT  
74701 TCATTCTTTC AATGTGACCA CTAGAAATCT GGAAAGTATT TATGTGATTC ACATTCTATT  
74761 TTAAGTCTTA GTATTGCCTT ACATCATCAG GTACCCCATAG AGTAGGCTTT TTAGATAATT  
74821 CTCTAATATA GCTTGAAGG ATATGGAGAA ATATTTTTGC GTTGCTTTTA AGTTTTGCAT  
74881 AACTTTTTCA ACACACTTTA TAAAGGATCT AGAAAAGGGT TGGTTACATG TTTCTCTGTC  
74941 TTCTGGCCTC CACCATGTTG CCAGGAGGTT GGGGACAAGA TTCTGGGTGG CTGGATGTCC  
75001 TAATGGCTTG AGGTCTGGAC TTGAGATTTG CATATAAAGA GATGTGATTA GATTGAGTCG  
75061 ACTAGAAAA TCATATTAGA GAACGAATC ACAGCGATTA AATTTACATG TCGATTATA  
75121 AACCAGGACA CCAATTTATA GTGAAAGAAG GTCCAGTTAC CTGGTAATCA AGACGTTTCA  
75181 TAGCTATTTT CATGATGGAT ATACTTAGCT GAGTTTTAAA TGAGAAGGGG GTTCATTGCA  
75241 CATAGAATAA GATCTAAGTG AAATGTTTAT TTATTTTTTT TTTTTTTTGA CATGGAGTCT  
75301 TGCTCTGTTG CCCAGGCTGG AGTGCAATGA GGCAATCTCG GCTTCTGGAG TGCAATGAGG  
75361 CAATCTCGGC TTCTGGAGTG CAACGAGGCA ATCTCGGCTC ACTGCAACCT CCACCTCCCG  
75421 GGTTCAAATG ATTCTCCTGC CTCAGTTTCC TGAGTAGCTG GGATTAGAGT TGCTTGCAC  
75481 CACGCCAGGC TAATTTTTGT ATTTTTTTTTA GTAGAGATGG GGTTCACCA TGCTGGCCAG  
75541 GCTGGTCTCG AACTCCTGAC CTCAGGCGAT CTGCCCCGCT CAGCTCCCA AAGTGCTAGG  
75601 ATTACAGGCG TGAGCCACCA AGCCTGGCCT AAGTGACATG TTCTTATATT GTTCTTTTCT  
75661 TTCTTTTTTT TTCGACTGAG TCTCACCCTG TTGCACAGGC TGGAGTGACG TGGCGTCATT  
75721 TCGGCTCATT GCAACCTCTG CTTCCCGGGT TCAAGCGATT CCCTTGCCCTC AGCCTCCTGA  
75781 GTGCCACCAC CCCAGCTAA TTTTGTACT TTTAGTAGAG ATGGTGTTC ACCATGTCCG  
75841 CTAGGCTGAT CTCAAATCC TGGCCTCAGG TGATCCGCC CCGAGTCTCC CAAAGTGCTA  
75901 GGATTACAGG CGTGGGCCAC GGGGCCAGC CTTATATTAT TTCTTTTACT ACAATATATT  
75961 AGTATGATGC AGGTGCTTCA ATTGTTTTATA CACTTTCCAT AATTTGTAT AATCTTATA  
76021 CCCTGTCACT CTGAGGAATA GCCGCTCTAA GTGTTTTTCC ACCACTGCTA ATTCAATCCAT  
76081 CACTAATCTC ATTAGACTGT TAATCCAG AGGACATAAG CACACAAGCA GACAATGTTT  
76141 ACAAATGTTG GACAAATGTT ATTTAATAAA ACAATGGGGT CACCCTTAGT CTAAAAGATG  
76201 TTTCACTTTT CATTTGTCAT TGAACCTTA TTTGTAGGTT CCCTTTTGAC TTTCCACAA  
76261 TCTAAGGCTG TTCTCTTTAA CACATATTTT CATGAAAACA TATATTTGAG CAGAAATTGT  
76321 TGGGGAGTTG TAATATTACC TTTGTCCCTA AATATGAATC TATAATTATA TCAATATAT  
76381 GGGCAGACAA TTTACTTTGC CTTTAATCTC AAGAAAAAAA TAGCAATTAC TTGGGGTCGG  
76441 AGAGTAAAT AAGAAGTAGT GAACCTTAAA GTAGCAAACT TTAGAACAGA ATAGTTTCAG  
76501 AGGGGATGAG AAGAGGTGAT TTTTCAGCTC ATCAACAACA GATCTTATAA TAAATTACAT  
76561 GTTCTGGTAC TTTCTTTGTC TTTCTGTGTT AAATTTTGCT ATTTAAAAA ATAAATTTCA  
76621 AATACATTGT TCATCTTAAA AGTCAAGAGT GTGTTTTATT AAAGTCAGTT GCTTTATTTG  
76681 CAACTCAAAA GATATATTTG AGTTCCCAAC TGGAGATTGT CCTATATGGT AACTTGCGTA  
76741 AGGTATGGTT ACTGAAAGTA ACCTACAATT TTCATGGGCT GAAATTCATT TCTATATTGC  
76801 AGCGTACAAA AATAAATAAA TAAAAATGC TTGTTTTCTT TGAAAACATA TTATCTCAGT  
76861 GCCTCTAACT GCCAAATCTA TTGGCTTTTT TGCAGGCTTA AGGGCTCTCC CTTGTTCTCT  
76921 TATGATCTCT ATCTTGAGGG CCAGACCTCC TGCCTTACAC AACTCAGAGG GGGACCTCAG  
76981 AGCTCTTTAA AAAGAGCCCA ATTTCTCGCC TGTAGAGAAG TGAAAAGGAT GCGCCACCCC  
77041 CATCTATGAA AAGAGGGATT TGATAGTTTC AATGTCTTCA AATCAAAGAT TTAAGTCTGT  
77101 AGCCCCCAC CACCCCGGAC CCTAGCAAGG CTCATGAACC CCTCCCATC CCGCCCTAAT  
77161 TGCTTTGGAC TGGCCGTGGA ATCCTTGTC CAGTCCACAG TTCTGTGCG ACTGCACGAA  
77221 GAATTCACAG AGGACCTGTG TTAATTCCTT TGTGAAGAAA CAGAATTATC ATGAAAATTT  
77281 AGGTGGAAAC CATTCGCTT TTTCTTCAA AAATAAGGGA AGCATGTGCC CAACCACCCC  
77341 TGGGAAAAAG AACCTTCAGG GGCAAAGGAG CGAACAGGTA ATTTATAAGA AAAACAGAAA  
77401 GTGGTCTCTG ACTGCCCCAG ACTTCTTCG GAGTTGGGGG AATTGGGGAC GCCTGGACGC  
77461 GTTGTTTTTG CGTTTGTGGA AAAAATAAAT GAAGAGCATG AAGCCCGAGG CTTCTGAGAT  
77521 CCTTCTCTGA CCAACCCCAA GTGATTTGGT GCGGGGAATT TTAATATTTT TCCCTTTTGT  
77581 TGAGGTGGAA CAAACACAAC TTGGGAGCAG CGCAGCGGCT CAGAGCCTGC CAGCCAGGCG

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77641 GGCGACCAGA GCACCAATCA GAGCGCGCCT GCGCTCTATA TATACAGCGG CCCTGCCCAG  
77701 ACGTGCTTTC ATCGGCGCTT TGCCACTTGT ACCCGAGTTT TTGATTCTCA ACATGTCCGA  
77761 GACTGCTCCT GCCGCTCCCG CTGCCGCGCC TCCTGCGGAG AAGGCCCTG TAAAGAAGAA  
77821 GGCGGCCAAA AAGGCTGGGG GTACGCCTCG TAAGGCGTCC GGTCCCCCG TGTCAGAGCT  
77881 CATCACCAG GCTGTGGCCG CCTCTAAAGA GCGTAGCGGA GTTCTCTG CTGCTCTGAA  
77941 AAAAGCGTTG GCTGCCGCCG GCTATGATGT GGAGAAAAAC AACAGCCGTA TCAAACTTGG  
78001 TCTCAAGAGC CTGGTGAGCA AGGGCACTCT GGTGCAAACG AAAGGCACCG GTGCTTCTGG  
78061 CTCCTTTTAA CTCAACAAGA AGGCAGCCTC CGGGGAAGCC AAGCCCAAGG TAAAAAGGC  
78121 GGGCGGAACC AAACCTAAGA AGCCAGTTGG GGCAGCCAAG AAGCCCAAGA AGGCGGCTGG  
78181 CGGCGCAACT CCGAAGAAGA GCGCTAAGAA AACACCGAAG AAAGCGAAGA AGCCGGCCGC  
78241 GGCCACTGTA ACCAAGAAAG TGGCTAAGAG CCCAAGAAG GCCAAGGTTG CGAAGCCCAA  
78301 GAAAGCTGCC AAAAGTGCTG CTAAGGCTGT GAAGCCGAAG GCCGCTAAGC CCAAGGTTGT  
78361 CAAGCCTAAG AAGGCGGCGC CCAAGAAGAA ATAGGCGAAC GCCTACTTCT AAAACCCAAA  
78421 AGGCTCTTTT CAGAGCCACC ACTGATCTCA ATAAAAGAGC TGGATAATTT CTTTACTATC  
78481 TGCCTTTTCT TGTTCTGCCC TGTTACTTAA GGTTAGTCGT ATGGGAGTTA CTGAGGTATC  
78541 AGAGACGAAT TGGGTGACGG GGTGAGAG TGGCCGTGGT GAGGTTACAG CATTTAAACC  
78601 TTTATTGCGG CTTCTAGGTC CCTGACCGGA GGCTTTTCTC GCTGGCGGAT GGTTTTGGGA  
78661 TGGCAGTCCC GCCCCAGGCC TGTGAACGGC AGAAAAGACC GCAAAACAAG AGCCAGTTTC  
78721 TTAGTCTAAA GGGATGTCCG GATTGGACTA AAAAATTTTC AAAAGTCCCG CCCTGCTCCC  
78781 GGGTTGGTCC GTTCTTCTAG TACATGACTT TCATTCTGTA TTTAATTGGA TGGTGAAGA  
78841 CGTTGCTTAT TCTGTGTTTT TTGCTTTACT GTGACTTAAA AGTTTGTGCT CTTTCTCTTT  
78901 TATATTAATG TCTGGGATTT CGGACGCTTT CCATGTTGTT GGTAGTCAAG TTGATGTCTC  
78961 CTGGAGGTAG TGGCAACATC CAGCCCTGGG AGGAGAGTGC GTGCAGGTAC CTTTGTCTTA  
79021 CATTCCTCTG CTGTTAATTT CTCATTCTCG TGGCAACGAA GGAATGCATT TAAAAACAG  
79081 CCATCAACAGC GGCAATAGCC CTTCCCTCCAC CCAAGGCAAT CGTGGACCTA GGGAGTTTTT  
79141 TGTGCCACAT AACATGTAGC CTTCCGCTAA ACTGACAGGT TTGAGCGTAT CGATTTTGAG  
79201 CGTATCGAAA GCACAACTTT TAGCCAGCCA TTTTGTCTTC GCATGACTAC GGTGCTTAT  
79261 CCTGTTTAGA CAGACAGCAA CATTTAAAAA TCGAAGTTCC TTTAAACGTA TTTTGTGTTG  
79321 CAGTCCAAAT GTTCTATGCA AGAAAACAGT ATTTGTACTA TTAACATATGA AGAGTGTATG  
79381 GATAAATGGG AGACATTTCT AATAAAGGCC TTCGTTAATG GTTCCCTCTG TTTGACATCC  
79441 ATGGTGCTTC TGAATACAGA AAGCCTAGCG TCTTATATTC GCTTCTTTTA AAATCTGGTG  
79501 GGCACATTTT GGTGAGACCT AAATTATGGG GACTGGGGCT TCTGGAGATA AGCTGCTCAA  
79561 TTATTCTACC ATCTCCACAA TGATTAATAT AGTGAGTTGA TTTGTTAGTG ATAGTGACCA  
79621 CGGATTTCAT CCAAGAAAGA GAAAGGGGAG GGAGGCAAGC AGAGAGACAG GAAGACAGAG  
79681 GCAGGGAAGA AGGAGAAAAC ATTCCTCCAT GGTTTAAGTA ATTTTGTGTT GTTAATTTTA  
79741 CATTACAACA CGGTTTAACA TGGTGAACCC TCTATTTTGG TGTAAGGTTT AACATATGGA  
79801 CATATTTTTC CCAAGACCAT TTATGAACCT TCATTTCTGC TTCCCCCTTC TTCTCCCGT  
79861 GCCACCCTCC ACGCTCCTAT CAATTTTGGC TGTTTTGTCA TAGGCTAATA CGCTATAATT  
79921 TCATGGACAG TTGGACTGTC TTAGGTTTCT CAGGTTTCTA TTTTGTTCCT TTAGTCATTC  
79981 CCACAATTCT TAAGGTAGAA TTGTATTGTT TTAACATTG TGTGTGTGTC TATCCTCAAT  
80041 GCTGAGATGA TTATGTGACA AATGGCAAGT GTTCAACTAA TACCTAAATC TGTAGTATCT  
80101 TATCAAGCCT AATGCTACTT CACAATGCC TACTCACAAGT AAAACGGTAA GCTATTTTGA GACGAGTTT  
80161 GGCATTCTGT CATCTCACAT CATCACAAGT AAAACGGTAA GCTATTTTGA GACGAGTTT  
80221 AGTCATATAA TTATATTTAT ATTTATTTAT TTATTTATGA CACGAGTTT CCCTCTGTCA  
80281 CCCAGGCTGG AGTGCTGTGG CACGTTCTCG GCTCACTGCA ACCTCCGCTT CACGGGTTCA  
80341 AGCGATTCTC CTGCCCTCCG CTCCCAGTA GCTGAGATTA CAGGGGCTG CCACCATGCC  
80401 CGGCTAATTT TTGTATTTT AGTAGAGACG GGGTTTCACT AAGTTGGCCA GGCTGGTCTC  
80461 GAACTCCTGA CCTCAGGTTA TCCGCCACC TCATCCTGCC AAAGTGCTTA GATTACAGGC  
80521 GTGAACCACC GTTCACAGAC TCAAATCAT TTTATTACAG TATATTGTTA TAATTGTTGT  
80581 TTTATTATCA GTTATTGCTA ATCTCTTACA GTGCCGTGAT TATAAATTAA ATTCATCATT  
80641 GCCATGTGTA TATAGAAAAA AACAGTGTAT ATACGGTTCA GTACTATCTG TGGTTTCAGG  
80701 CATCCACTGG GGGTGCAGTT TATTTAAACAT GCATTTACAT TAGTCTCCCC TTTGGGAGAC  
80761 TAATTAACTG AGATGTTGTA ACGTGACTTT AATAGCAGAT AGAGCTAATT TTCTCTCATT  
80821 ACTCTTCTTT TTCAGAATTT TCCTGGTTAT TCCATTTTTT ATTTTTCAT ATGTATATTA

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80881 AGATCTCTTC CACCTCCTCC TGTTCCTCCA TCTCAACATC AAACAATTAA AAAAAAAAAA  
80941 AAAGGCTGGG CGCGGTGGCT CACGCCATATA ATCCCAGCTC TTTGGGAGGC CTAGGCGGGT  
81001 GGATCACGAG GTCAGGAGTT CAAGACCAGC CTCGCCAAGA TGGTGAATC CCGTCTCTAC  
81061 TAAAAGTATA AAAATTAGCC AACCATGGTG GCAGGCGCCT GTAATCCCGG CTACTCGGGA  
81121 GGCTGAGGCA GAGAATTGCT TGAACCCGGG AGGCGGAGGT TGCAGTGAGG CGAGACCTTG  
81181 CACTCCAGCC TGGGTGACAC AGCGAGACTC CGTCATAAAA AAAAAAGCCG GAAGCAGTGG  
81241 CTCACGCCTG TAATTCCAGC ACTTTGGGAG GCTGAGTCAG GCAGATTACC TGAGGTCAGG  
81301 AGTTCAGGAC CAGCCTGGCC ATGAAAATAC AGCCTGGCCA TGAAAACACA CAATAAATTA  
81361 GCTGGGCGTG GTGTACACA CCTGTAATCC TAGCTACTCG GGAGGCTGAG ACAGGAGAAAT  
81421 CACTTGAACC CAGGAGGCAG AGGTTGCAGT GAGTTAAGAT GACGCCACTG CACTCCATCT  
81481 GGGCGACAGA GCCAGACTCT CTCTCAAAAA ACTAAATAAA TAAAAATAAA GTTATGGTAC  
81541 ATTGAACCTT TGTGTTCCCT TCTCCCTTAG ATACTTTCAT GGCTACCCAT TTAATTGATG  
81601 TTCTTATCAT CTCCAAGAGT TAGTCAGGAG AGGAATCAAC CCAAGCAAAA ATAGCTGATT  
81661 TTCTAATTTT CCTTCAATGC CCTTTGGGGT CTTAATCCAT TTGATTTATG TACTTTCAAT  
81721 TAATCCTAAC CTCGAATGTC TTCTGCAAAAC ATGTTTCCAC AGATGAAACT CGTCAAAATGA  
81781 AACACATTCC TTTAATTTAT AGAGTTAAAA ATTAGAAAAA TTTTCAATTC TATTTGGCCT  
81841 TTAGATTCAG TCTTGCATAT GTTTTCTCAA TTTTGTTCAT GCTCTTAGT TTTGTTTTAT  
81901 TCCATCACAA TTGTTTACAT AGCTTACTGG CTTAGGTCTA ATGAACCATT CATTTGGAAA  
81961 TTAAAATTGG CCATTTTAAG ATGAAAAAGA TTCTTGCCCTC AATTTTACTT AGTTTTTGAA  
82021 ACTGTCAATG AGGACACATG TTTTCTGTGA CTCTTAGATT CACTAAGTAG TGTCTTGCAA  
82081 ATTTAACTGA CAAAGGACAG ATTAACATGC GAAAAAAAAA GCATGCAATT TTATTAGTAT  
82141 ATTACATGCA CAGAGTTCCC AAAGAAAAAA AAATTGAAAC CTAAAAACG CGGTTAGACT  
82201 CACAGACTTA TACACCATTC CAACAAAGGA AAGGGAGTTT GCACTTCATG GGATGACGAA  
82261 TTTGGGAATG TGACAAGGAA ATAAATACAT GGGCAATAAA AACCATGGAA GATAAAATGA  
82321 AAGATAGAAA TAATTGTAGT AAGGTTTGTG TTTGCAGAGT CATCTCAGTG CCAACCTTCC  
82381 ATATCTAGTG ATAAGAATTG CTCTCTTTTT CTTGGTATAG CAGTTGGGGA CACTTTTACA  
82441 AGGGAAATTT CTGTACCTTT CACAAAGGGA AATTTGGGTA AAGAGAAGAC AGAGACCTCT  
82501 TCCTACACCT GTTGATTTTC AATTGCCTTC AGCTGAAAAA AACTTTTATG CCAAAGTAGA  
82561 ATAATTTGGG GGTGACATCC TGATATCTTT CAAAACCTAT ATTTAATTTT ACATTAGTAA  
82621 TTATATCATT TTTGATTTTT AAATTAGTTT TATAAAATAA TTTTGAAAAA CGGTAATAAT  
82681 ATTCAAATAA TTCCAGAAAC ACTGCTGATA AGCCAAAAAC ATCAATGAAT ATTCATATAA  
82741 CAACTGATAA TTCAACCATG AAAATTTATG ACATTGTTCT TGTGTGATAA AACTATGAGT  
82801 AACATAAAAA CTAGAGGCTA CTTGTAATGC ATTATTCCAA ACTTTCTGTT TTTTATTTAT  
82861 TTATTTATTT ATTTTGAGAC ATAGTCTCTC TCTGTCACCC AGGTTGGAGT GCAATGGCGT  
82921 GATCTTGGTT CACTGCAGCC TCCACTTCCC CGGTTCAAGC AATCTCTCTG CCTCAGCCTC  
82981 CTGAGTAAC TGGGTTACAG GCACCTGACA CCAAACCCCG CTAATTTTTT TGTATTTTTA  
83041 GTAGAGACGG GGTTCGCCA TGTTTGCCAG GCTAGTCTCG AACTCCTGAC CTCAGTGATC  
83101 CACCTACCTC GGCTTCCCAA AGTGCTAGGA TTACAGGCGT GAGCCACCAT GCCCGGCGCA  
83161 TTATTCCAAA CTTTCATACA CAGTGCTATC ATGGCTACAA ATTGAAGTAT CATATTATAC  
83221 ACTCTAGGC AAAGCTCTGG ATATTTTGGC TATATAAGCC TGAGGGAAAT GTAGTAAGGA  
83281 CATTGTGGTT GAAATTCATA CCAGAGATGA ACAGGCCAG TGCAAGACAG AATTACATCA  
83341 CTAAAGGATA TCAGAAGAGA ATAGGGATTT AGGGTACAGT GGCAACAACA GTTTTGGGAA  
83401 CTAGCATTTT TTGAGCACTT ATTTACAATA TGCCAAGCAC TGTGCTGAT TACTCTATAT  
83461 TTATTTTCAA ACACATTCTT GTCACAGCAC TTTGAAGTAA GTGCCATTGT CATTTCCACT  
83521 TCAGGGTGAA GGAATAAGC TTGGTGTCAT TAAGGATGTA GCTAGTTAGC TGTGTGTGTG  
83581 TGTGTGTGTG TGTGTGCATT TTTTTTTTAA TTTAAAGTCA ATAAATTTTT ATTTGAAGAA  
83641 TTTACATCA AGGTAAACTT TGTTCCTCTA AAGAGCTGGA GTCAAAATGT ATCTTCAAAA  
83701 GATTCATCTT CAAGTTAGCC CTCTTTAATA GAACTGATGC TTAATCCACA GTTGTGAGCC  
83761 CACAGTTCTT TTATTTTGAC TTTTTTTTTT TTTTTTTTTT AGACGGAGTC TCTCACTGTC  
83821 ACCCAGGCTG CTGGGCAGTG GCGTGATCTC GGCTCGCTGC AACCTCTGCC TCCCGGGTTC  
83881 AAGTGATTCT CCTGCCTCAG CCTCCTTAGT AGCTGGGACC ACAGGCGCAT GCCATCGTGC  
83941 TCGGCTAATT TTTGTATTTT TATTAGAGAC AGGGTTTCAC TATGTTGGCC AGGCTGATCT  
84001 CAAACTCCTG ACCTCATGAT CCGCCTGCCT TGGCCTCTCA AAGTGCTGGG ATTACAGGTG  
84061 TGAGCCACTG CACCCGGCCT TATTTTGCCCT TCTTTAATCT CCATTTGAAC ATGGACATAC

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84121	TGATGAAAAC	TACAACATTC	TTCACCAAAA	ATCTTTGGGA	TTTAATTTCT	TCAACCACTT
84181	TACTTTGGGG	TCATTTTAAG	ATTAGGTGTA	TCTGCCTGGT	TCTCAATTTG	ACACCCTTTC
84241	TCTCTAAACA	TGAATGAGTT	CCAATCATAT	TTATTCCTAA	GCTATCACAC	TCAAATATAC
84301	TACAGATCTG	TGGAATATGC	CAAAAGTTAA	GGTGAAAAAT	TAAATTATTA	GGTATTTTCAT
84361	AGTTTTGCTA	GTTTTTGATC	TGTGAGTGAA	TATAACTATC	CTCTATGTCC	TGGCACTGTT
84421	CCTCAGAAAC	ATAGGGTCCA	CATATGTAAT	TTTAAATTTT	TTAATAGGCA	CATTTTAAAA
84481	AGTGGA AAAA	GAAATCTATT	TTAATGATTT	GAATCCAGTG	TAACCAAAAA	TTGTTTCAAC
84541	AAGGTATCTA	ATATTA AAAAT	ATTGAGCTTT	TACTTTGTTA	TTTTACTAGG	TCTTTGAAAT
84601	CTGGTGTGTA	TTTTACACTT	AAAGCACATC	ACAGTTTGGA	GTAGCCACAT	TTCCAATGCT
84661	TAATACTCAC	ATATGGTTAG	TGGCAACTAT	C TTGGACAGG	ACAGCTTTTA	TACTCTGGGA
84721	AGACACAAGC	AAATACTTGC	TCTGCAGCAG	AATCCAGATG	TTTTCCAAGA	AAACACTTTT
84781	TCTGACCTGT	TCGTGAAACC	CAGGTAGTGT	CTCTAATACT	TTATATTTTA	TTGGTTTGTG
84841	CTATTGTAAC	CACCCAACGG	GCTCTCCTTG	TCCACTTCCT	AGACAGAGCT	GATTTATCAA
84901	GACAGGGGAA	TTGCAATAAG	GAGCCAGCGC	TACAGGAGAC	TAGAGTTTTA	TTATTACTCA
84961	AATCAGTCTC	CTTGAGAATT	TGGGGACCAA	AGTTTTTTAAG	GATAATTTGA	TTGTAGGGGA
85021	CCAGTGAGTC	GGGAGTGCTG	CTTGGTTGGG	TCAGAGATGA	AATTATAGGG	AGCCTAAGCT
85081	GTCCTCTTGT	GCTAAATCAG	TTCTTGGGAG	TGGTGGGGTG	GGGGACTCAA	GACCAGATAA
85141	TCCAGTTTAT	CTATATGGGT	GGTGCCAGCT	AATCCATTGT	GTTCAGGGTC	TGCAAAATAG
85201	CTCAAGCATT	GATCTTAGGT	TTTAAAATAG	TGATTTTATC	CCCAGGAGCA	ATTTGAGGTT
85261	TAGAATCTTG	TAGCTTCCAG	CTGCATGACT	CCTAAACCAT	AATTTATAAT	CTTGTGGCTA
85321	ATTTGTTAGT	CCTGCAAAAAG	CAGTCTGGTC	CCCAGGCAGG	AAAGGGGTTT	GTTTCTGAAA
85381	GGGCTGTTAT	TGTTTTTGT	TAAAAGCAAA	AGTATAAACT	AAGCTCCTCC	CAAAGTTAGT
85441	TAATCCCAAA	CTCAGGAATG	AAAAGGACAG	C TTGGAGGTT	AGACGTTAGA	TGGAGTCGGT
85501	TAGGTAAAGT	CTCTTTCAC	GTAATAATTT	TCTCAGTTAT	GATTTTTCGA	AAGGCAGTTT
85561	CAGTGTCCAC	TTCACTCCAC	ATCAGGCCCT	TGACTAGAGG	ATTCCAACAA	TACTTAGGCC
85621	AGGACACCAC	CATGTCTCCT	TATCCACCCT	GAGGGATTCC	AATTTCTGAA	ACAAAGGAAA
85681	CTATATATGA	TAGTATGAAA	CTATATATGA	GAAGGAAATT	ATATATGATA	ATCAATTTTA
85741	GGGTATCTTT	ATTGATTAGA	AGATATTAAA	GTGTGACACT	GCCTGGCAAT	GATATCTGCT
85801	GGTAGTAAGA	ATTTGGCGAA	TTTAGTGAAA	TTCTTGAGGC	TGAACCTCCA	CTTCTGTAAA
85861	ATGGAGACAG	TGAGATAATT	TGCCTTACAA	TGCTGAAGTA	AGAATTTTAC	ACAATAATTC
85921	AGACCAACCA	CTTCATGTGG	TACTTGGCCC	GTGGAAGACT	ATCAATGACA	GTTAGTTTAT
85981	AGTTTATACT	ATTAATGAAT	CCTTTGTTTC	ATTGTTATTT	CCTTCTACAC	GTTGGCCTCT
86041	CTAAAAGAAG	GTAATATTCA	ATACAAATAA	AGTTAAAACA	GCTTGCAGAG	TTGTCCCAGG
86101	GAACTCACTT	AACCACTGAA	GTGTTCAAAT	TGCTTAAGGT	TGACTTTATA	TTCTCCTGAC
86161	TAACCTTTCT	CCTTCTGGTA	TTTCTTCTGA	GAACAGCACC	ACCATCCAAA	GCATCATGCA
86221	AACAGTGGTC	ATCCCAGACC	AGTAATTCTC	AAC TCACAGG	GTGTCCTGTC	AGAGATGTAT
86281	TTGAATAGAG	TGGTAGGATG	CTGAAGAAGG	CCACGTAAAA	TTTGGCCAGT	GATCTGGGGC
86341	AGATTTATCC	TGAAGCTAAT	GAAACACAAG	TGTAAGGGCC	TGTACTTCCA	AGGTGCAGAG
86401	AGGGGCCCTA	CAAATGTGTT	AGTTTGTCTC	TCTCTCTCTC	TCTGATTTTA	AAATTTGCAG
86461	TATTAAGGTA	CTTTAATCAC	GGATGGTTCA	GGCTGCTATT	TTCACTCAAT	CCTCCTTTTT
86521	ATTAAAATCA	CCATTGTCTG	ATTATGTTAG	AATCCTGATG	AAAAATATTG	GAATTTGAGT
86581	AAGAGAAAGT	TTAGTTGAAG	ATGTATCTAG	TATGGGGATA	ATAAGTTACG	TGATTTGCAT
86641	ATGTGATCAT	GTGTACTTCA	TTCGTTGCCA	GCCAATCTGA	CGTAAGAATG	GCTTCAAGGA
86701	GGCCGGGCGC	GGTGGCTCAC	GCCTGTAATC	CTAGCACTTT	GGGAGGCCGA	GACGGGCGGA
86761	TCACGAGGTC	AGGAGATCGA	GACCATCTTG	GCTAACACGG	TGAAACCCCG	TTTCTACTAA
86821	AAATACAAAA	AATTAGCCGG	GCGTGTGGGC	GGGCGCCTGT	AGTCCCAGCT	ACTTGGGAGG
86881	CTGAGGCAGG	AGAATGGCAT	GAACCTGGGA	GGCGGAGCTT	GCAGTGAGCC	GAGATCGCGC
86941	CACTGCACCTC	CAACCTGGGA	GACACAGCGA	GACTCCGTCT	CAAAAAAAAAA	AAAAAAAAAGAA
87001	TGGCTTCAAG	GAATGTTTCT	ACTGCTCACT	GGAATAACTC	ACCTAAATTC	CTGGCAAGAT
87061	GCAGGTCTAG	ATAAAATGTT	ATGACATCTA	AGTATTCAAA	ACACATTTCC	AGCACTGAGA
87121	GTGAGTGTCT	AGTGGAGAGT	AGAAACGTAT	AGAGCCAGAA	GCTAGTCTGG	AAAGAATTCT
87181	TACAAAGTTT	ACAAC TTACA	TGTGAAAGGA	GCTTAAACAGA	GGATTTTCCA	AATTTGAAAA
87241	CAATCCTAAA	AACTTACTTG	ACAT TACCAA	TAATGTGTTT	TGAAACTGAA	ATACTTCTAA
87301	GTTATGAAGA	AAACATATTA	TCATCAGCCA	CCCTGGAGGA	AAGATTGAAT	TCTATTTCCA

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87361 TTACCTATAG ACAACATTAC AAAATAATTT CGATCTGAAG ATGGAATCAG AGTATTCAGT
87421 CAAAACCTACA GGAAATATA CTTGGTAGTG TCATATTCAG AAGTTAATAA AATATGCTAT
87481 TTTCTGAATT TTGTGATGGC TGTTGTTTTG TCAGCTTTTA TAAAATTGGA ATTTGATTTT
87541 ATTTTCCCAT TATAAATTTA TATTTACAGT CTGCAGTACT TTTGCATTTT TAATTTTACA
87601 TTATAGCTTT TAATAGTTAA CAAGTTGTAA AAGGTTTGAT CCCCAGAAAA CCTTGATCTA
87661 CCCCCTCAGT TAAGTATACT AATATATTTA GAAAATGGAT GAAATCAGCA TTTGAATATT
87721 TTTAAATATT TATTTAAAGA GGACATGGGT AAAAGAGCTT TGCAGTTGCC ACCCTTCATT
87781 CTCAAATTCC CTGGATAAGG ATGACCGCAT AATCTTTGGA TGGTCATACG CAAGTCTTGT
87841 GTATTTGTTA CATAAATCTA TTTAGTGGAC TTTTGGCAGT GTGTACTGAG GCCAGTTTCT
87901 TCCACCTGAG CTCTGACTCC ACCTCCAGCA GCCCAAAACC AATACTGAAT TTTGGGGTCA
87961 GCTATTGTTT TTGTGGACTT AGGTAACAC ACACACATTG TCTTTATGAT AGCTTTAATA
88021 ATACTGCCAT CAGAACTAAA ATTGTCACGT GGATTAAAAG GAGTGACGGT GGTGTCCCCA
88081 GGAGCCTTTC AATATGTAAG TATTTACACA TATACATGCT AAAAAGACCC CTAGGAATTT
88141 TTTTAACAAG GGCAAAACAG TAACTCAGCT TGTTTTCTCG CAGTAAAACC GGTGAAAAG
88201 GCCTGATAGA CTTGTCTGCA GTTACAAAAC TTGTGTGTAG TTATCACCTT TATATCTCCT
88261 GGAAACTAAC ATAGACAACC GAATGGGTTA CAACTGTTTT TAAGTGAAAT TGTGAGTGGC
88321 TCTGAAAAGA GCCTTTTCAA TGAGGAAGAA ACGGGCAGAC TTATGCCCTT TCCCCACGGA
88381 TGCGACGTGC CAGCTGGATA TCTTTGGGCA TGATGGTGAC GCGTTTAGCG TGAATAGCGC
88441 ACAGATTGGT GTCTTCGAAG AGTCCCACCA GGTAGGCCCTC GCAAGCCTCC TGCAGCGCCA
88501 TCACCGCAGA GCTCTGAAA CGCAGGTCCG TTTTGAAGTC CTGGGCGATT TCTCGCACCA
88561 GGCGCTGGAA CGGCAGCTTC CGGATCAGCA GCTCGGTGGA CTTCTGGTAG CGACGGATTT
88621 CGCGCAAGGC CACGGTGCCC GGGCGGTAGC GATGAGGTTT CTTACGCCA CCGGTGGCCG
88681 GAGCGCTCTT ACGGGCTGCT TTAGTAGCAA GCTGCTTGCG CGGAGCTTTG CCGCCGGTAG
88741 ACTTGCGAGC TGTTTGCTTC GTACGAGCCA TTTGCAATGA GAGCACACAC AAAAGTGTAG
88801 TGAAGTGAGA GCAAGTGGCC TTTAAATATA GTGAGAAACA TTCTGATTGG TCCTGTAATA
88861 TTTCAAAAGT CCCGCGCGAT AAAATCATTG GCTGAAGAGT GACCAGACTG ATTGGTTTCA
88921 TACTAGACAA TCTTATTGGA TGAGTTGCC CACCGCCCAT CCTGTCTTTT TCGTTTCAGT
88981 TATCTGCAGC GACAAATTGT CTAAAATTCT AGTTCATCCA GTCCCAAAGA ACAGAGTGTA
89041 TAACAAGGTA TCTAAGGATT TTTAAATGT AAATTCGAT TCAGTAAGTT TGAGTGGGAC
89101 TTGAAATTCT GCATTCTTGA CAGTCTCGCA AGTTATCAAT GCTGGTGAAC ACTCACTAAA
89161 CCACCAGAAA CGTTCAGACT CATGTCGGGA AATAACGCTT ATATTCAGAG AATGAGATTC
89221 CATGCTATTT TGTTACTGGC GAACAGCAAG TTTCTTTGCC CTTTGTTTTC TAAGTCCAAG
89281 TCACATTCCC ACCCTGCCTG TTCTCAAAAT GTCTTATTTT GGTGGCCTT AAGTTTCACT
89341 TTGTATACTC TAAAATGTAC TTTCTAAAGG AAGGTGTTAT TTTCTCGAAA CTTAACTTTT
89401 TAACACCATT AGGCTAGGGG GGCGGTGGCT CACGCCGTGA ATCCCAGCAT TTTGGGAGGG
89461 CGAGATGGGA CGATCACTAG AGGCCAGGAG TTCAAGACAA CCCTGGCTAA AATGGTGAAA
89521 CCCCCTCTCG CATAAAAATA CAAAAACTAG CTGGGCGCGG TAGCAGACGC CTGTAATCCC
89581 AAGTACACAG GAGGCTGTGG CATGAGAACC GCGTGAAGCG GCGGGGTGGA GGTGCGAGTA
89641 AGCCGATATC GCGCCGCTGC ACTCCAGCCT GGGTGACAGA GCTAGACTGT CTCAAAACAA
89701 ACCAATCCAA ACGAAAAGCA AAAAATACCC TAACAGAAGC AAGTTATCAT CCTTTCTTGT
89761 GTAACATAGG ACGGCTCTGA AAAATGCCGT TTCAAGTGTA AGCTACGTTT TCTGATTTGA
89821 GTGTTTACTT GACCTTGGCC TTATCGTGCC TCTGTTATTT TGGCAACAGG ACGGCCTGAA
89881 TATTGGACAG GACGCTCCC TGAGCAATAG TGACGTTGCC CAGCTGCTTG TTGACCTCCT
89941 CGTCGTTTTG GATGGCCAGC TGCAGGTGGC GGGGGATGAT GCTGCGGGT TGTGCACGTA
90001 TGGCGCTGCC CACCAGTTCT AAGATCTCGG CGGCCAGGTA CTGTAAGTAC ACTGGCGCAC
90061 CGGCTCCGAC CGGCTCAAAA TAATTGCCCT TTCGAAAAAG ATGACGGACT CTGCCCTATT
90121 GGGAAC TGCA AGCCCGGTAG CGACGAACAA GTTTTGTGCTT TAGCTCCATT TTCCACGTCC
90181 GCAAATAGCG ACCTATGAAA GCAGCGGAAA ACTGTGAAAG ACAAGCAAGC TGGAATGGCG
90241 CCTGAACAAA TCCTTTTATA CAACTGCAA GGCTGCAATA GGAAGCTATC CTATTGGTCA
90301 ATTATGTTTG GTGCTTTTATC CAATAGAAAA AGATAACATA AATCCATAT TTGCATAAAC
90361 CCCACCCCTC AGTGAAACCG GTTTTCTTTT GTCCAATCAG AAGTGAGGAA TCTTAAACCG
90421 TCATTTGAAT CTCAGGACTA TAAATACATG GGCTCTGAAC GTTCTCTGT ACTACTCTGT
90481 AGTGGAGAGT GTTAGTAGCT TTTCTATTCT GTTTAGGAAT AGCAATGCCT GAACCTCTA
90541 AGTCTGCTCC AGCCCTAAA AAGGTTTCTA AGAAGGCTAT CACTAAGGCG CAGAAGAAGG

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90601	ATGGTAAGAA	GCGTAAGCGC	AGCCGCAAGG	AGAGCTATTC	TATCTATGTG	TACAAGGTTT
90661	TGAAGCAGGT	CCACCCCGAC	ACCGGCATCT	CATCCAAGGC	CATGGGGATC	ATGAATTCCT
90721	TCGTCAACGA	CATCTTCGAG	CGCATCGCGG	GCGAGGCTTC	TCGCCTGGCT	CACTACAATA
90781	AGCGCTCGAC	CATCACCTCC	AGGGAGATTC	AGACGGCTGT	GCGCCTGCTG	CTGCCTGGGG
90841	AGCTGGCTAA	GCATGCTGTG	TCCGAGGGCA	CTAAGGCAGT	TACCAAGTAC	ACTAGCTCTA
90901	AATAAGTGCT	TATGTAAGCA	CTTCCAAACC	CAAAGGCTCT	TTTCAGAGCC	ACCTACTTTG
90961	TCACAAGGAG	AGCTATAACC	ACAATTTCTT	AAGGTGGTGC	TGCTGCTATT	CTGTTTCAGT
91021	TCTAGAGGAT	CAACTGGAAT	GTTAGCGAAG	ACAAGTTTTA	GAGCCAAGGT	TAACCTGGAC
91081	GGGGCCGTGC	GCGGTGCCTC	TTGCCCTTAA	TCCCGGCAAT	TTGGGAGGCC	GAGGCGGGCG
91141	GATCACTTGA	GGTCGGGAGT	TCGAGACTAG	CCCGGCCAAC	ATGGCGAAAG	CCCGTCTCTA
91201	CTAAAATACA	AATGATAGAC	GGTCGTGATG	GCGCTCTTTC	TCATCTGTCT	TAGCAAACTT
91261	CTTTGTTCCT	CCTGGGTAAG	CCTTCGGGTA	CTATGTATAA	TTCCCTTTGAT	AAGGTCACCTA
91321	CTCCCTCCCT	GGTCTAGTAC	AGGAAACTTC	CCTTTCTGGA	TAATGAAGCA	GGTAATGGAA
91381	TTCAGGGTAT	AGTGTTCCTG	TGGGGGTCAT	TAGCCGTTAA	CTTCTTGTGA	GATGCGGGGG
91441	AGGGGAGCAG	AAAAGTCTAA	GCGACAAAAG	GGCATGTAGG	GATATTTGCT	CCTGCAGCTT
91501	GCCTATGCTG	TAAATTCCTA	CTTCAAGTAT	TGAGGAAACA	ATAAGCGAAG	TCTGATTTCC
91561	CGGGCGCCTT	TATACGGAAT	ATTTCCCGCT	CCACAAAATG	AAATCGCAGT	AGTTTTGAGT
91621	TATAATTGTT	TATCAATGAC	AACAGCTATG	TAGTTTACAT	ATTTTCATGCA	TCCCAGAAAT
91681	CCAGATTCCT	ATTTCCTAAG	CCACTTAACG	TTCTGATTTT	CAGCTCTGCG	AGATACAAAA
91741	GGGTTTGGAT	TTTGTGCCCT	TCCCCATCTG	GCGCCACTGC	AAAAGCTTACT	AGGAGGGCCC
91801	CACCTGGAGA	GGGAAATCTT	TTTCGAGAAG	TCCAGGACGC	CAAAAAACAAT	ATAGCTAAAA
91861	AAAAAAAAAA	AAAAAAGGCA	GGAAGAGCAC	TAGTTGAGGA	GGAGGACTCA	ATGGGGCAAT
91921	TCGGGGCTG	GGGCTGGGGG	AAGAAATGCA	AGAAGAAAAG	ACACTTGTTG	ACTGCACAGT
91981	AAGCAGGAGG	GGGTGGGGGA	ATCGGAGGGG	AGTATTTTCA	GCGAATTTAT	GGGCATTATA
92041	TGTAGGTGAC	ATACAGCAGT	GTCTTTGGAT	GAAGAAATAA	AGTTTCTCAA	ACAGTTCTTG
92101	TTTTTGTFTT	GAGAAAAGGC	CTTCTCTGT	CGGCCAGGCG	CCATCATAGC	TCAGTGCAAC
92161	CTCGACTTCC	CCAGCTCAAG	CGATCCTCTT	ACTTCAGCCC	CTTGAGTGCG	TGGGACTAGA
92221	GAAATGCACC	ACCATACCCA	GTTAATTTTT	TAATTTTTTT	TGGAGGCAAA	GGGTCTTACT
92281	TTGTTGCCCA	GGCTGGTCAA	GCGAACTCCT	GGGCTCAAAT	GATCCTCCCG	CCTTGGCCTC
92341	CCAAAGTCCT	GGGATTATAG	GAATGAGTCA	CCGCGCCCGG	CCCAGATTTA	ATTTTTTAAGA
92401	ATCTTTTAAA	AGAGGTTCTG	GGCCGGGTGT	GGTGCAGCTC	ACGCCTGTAA	TACCAGCATT
92461	TTGGGAGGCC	AAGGTGGGAG	GATCACTTGA	GCCCAGGAGC	TCAAGACCAG	TCTGGGCAAC
92521	TTAGTGAGAC	CTTTTGTCTC	CACCAAAAAT	TAAAAAAATT	AACCAGGCCT	GGTGGCACAT
92581	TTCTGTAGTC	CCAAGTACTG	GGGAGGCTGA	AGTGGGAGGA	TCATTTGAGC	CTGGAAGGTG
92641	GAGGTGTCAG	TAAGCTGTGA	CGGCACAAC	GCACTCCAGT	CTGGGTGAGG	ACAGACCCTG
92701	TC TCAAAAAT	AAAAAATAAA	AAAAAATCTG	GATGCCACAC	AAAATGTGAG	TGAACAACCTG
92761	TAAGTGAAGC	ACTTCCCATC	CTAGTACTGT	ATATGCAAAAC	TGCCGTTGTG	AAAGTGACGC
92821	TTGGCTTAAA	AATCTACATT	CTTTTTTTTAA	TTATAAAACT	ACCACATCCC	CCAAAAACAT
92881	TACTAAGGAA	TTGAGGCTGC	AGTTTAAGAA	GCTGATATTT	AGGATCTATC	TCCGGAGAAG
92941	TGAGACCTGG	TAATATAAGC	ATTTTCAAAA	TGAACTTTTG	GGCCAGGTGA	GGTGTGTCAT
93001	GCCTGTAATC	CCAGCACTTT	GGGAGACCTA	GTCAGGCAGA	TCACTTGAGC	TCACAATTCC
93061	AGACCAGCCT	GAGCAACATG	GCGAAATCCA	GTCTCTACAA	AAAATTAGCA	GGGCGTGGTG
93121	GCATATGCCT	ATAGTTCCAG	CTACTATAGA	GGCTGAGGTG	GGAGGATTAC	TTGAGCCCGG
93181	GAGGCAGAGG	TTGCAGCAAG	CCAAGATCGC	GCCGCCACAG	CCTGAGCGAC	AGAATGAGAT
93241	ATGCACCCAC	GCCCTAAAAA	AAAGCATGAC	TCATTAAAAA	AAAAAAATTT	AGCCGGTCGC
93301	GGTGGCTCAC	GCCTGTAATC	CCAGCACTTT	GGGAGGCCGA	GGCGGGCGGA	TCACGAGGTC
93361	AGGAGATGGA	GACCATCCTG	CTTAACACGA	TGAAACCCCG	TCTCTACTAA	AAATACAAAA
93421	TAATTAGCTG	GGCGTGATGG	TGGGCGCCTG	TAGTCCCAGC	TACTCGGGAG	GCTGAGGCAG
93481	GAGAATGGCG	TGAACGCGGG	AGGCGGAGCT	TGCAGTGAGC	CGAGATCGCG	CCACGGCACT
93541	CCAGCCTGGG	TGACAGAGCG	AGACTCCGTC	TCAAAAAAAA	AAAAAAATAA	AAAATTAAAA
93601	AAATATGAAG	TTTTGAAGCA	GAAATTATTT	TGTCGTATGT	TCTTTTCATA	ATTTTTTTGCC
93661	TGCCCTGCCT	CTTCCCTTGT	TACAGAACTC	CAACACTTAC	CCAAAGGTAG	CTGTTGGGTC
93721	AGGGTTTCTG	TACTATAGTC	CCTTCTGTGG	TGGCCAGAAA	TATGTTACAG	GAAAGAGGTC
93781	CCCATCCAGA	CCCCAAGAGA	GGGTCTTGG	ATCCCGCGCA	AGAAAGAGTT	CAGGGTGAGT

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93841 CCGCAGTGCA AAGTAAATGC AAGTTTACTA AGAAAGTAAA GTGGTGAAAC GACAACTACT
93901 CCATAGACAG AGCAGGACAT TCCCGAAAGT AAGAGGAGGA AGGCATCCAC CCTAGGTACA
93961 ATACTTGTAT ATATGGGGAG ATGTGCTCTG CTACAAGTTT GTGATAAAGG ATTAATTTTC
94021 TTAGTTACTA TATTTTGCAA GAATCAACAT TATTATCTTT AAACAAAATT AAGAATGCCCT
94081 TTGTTCTCCA GATATAGGGA TATCTGGACA CTCCTAAGTC TGAGTCTGTT TAGTAAACAT
94141 TATTTATTTG TTCCCTTAAC CGTAAACATC TAGAAGCTAG GAATGACTGA CTTTCTGGGA
94201 ATGCAGCCCA GAAAGTCTCA GCCTCATTTT CCTAGCCCTC ACTCAAAATG GAGTTACTCT
94261 GGTTCAAGTA ACTCTGACAC TTTTCTTCTC TTTTCTTCTT CTTTCTTCTT TCCTTTATTT
94321 TTTATTTTTT ATTTTTGAAA TAAGAAATCA AGAATACTTG ATGTTTCATC TAAAACAATA
94381 CCCATAATTG ATAAGCCAAA AAAAAACCT AGGTCTTCTA ACTCAAAACT AGGATGTTTT
94441 GCTGTCTCTG CTGATACTCG GCTGATCGTT AATAGGTAAT TAACAAACAA GCCTTGCTAT
94501 GTCCCCCTCA GTTTATTACC ATTAGATCAT ATGCCTACTG TCAATCATAT TAATCCACAA
94561 CTATGCATTT CACAAAACCT GCCATAAAAA TTCACAGGTT TCCCGCTTCC CTCGAGTTTT
94621 CATTTCCGAA GGGTCCCATG TAATATAAAA CTTATATTAA ATACATTTGT ATGCTTTTCT
94681 CTTGCTAATC TTTTTTTTTG TTTTTTGAGA CTGAGCCTTG CTCTGTCACC CAGGCTGGAG
94741 TGCAATGGCG CGATCTCGGC TCACTGCAAC CTCCGCTTCC CAGGTTCAAG CGATTCTACT
94801 GCCTCGCCCT CCCGAGTAGC TGGGACCACA GATACGTGCC ACCATGCCCC GCTAATTTTT
94861 GTATTTTTAG TAGAGACAGG GTTTCACCGT GTTGGCCAGG ATGTTCTCAA TCTCCTTACC
94921 TCGTGATCCG CCCGCTTCGT CTTGCCAAAG TGCTCGGATT ACAGACGTGA GCCACTGCAC
94981 CCGACCAATC TGTCTTTTTG TAGAGGGGCC TCAAGCATGA ACTTACTGAT GGGTGAGAAA
95041 AACAGAATTT TCTTTTCCCC TACAATATAA ACATTAATTG TAATGTTATC ATTCAGGACA
95101 TTTTGGTGAC CAATCTTACA GAAATTTTAT CTTGTGCAAG TCTATGCAAA CCAATATGTA
95161 AATCTTCTAT AAGTGAGATT GTATTTTCACT TTTCTAGTAT CCTTTTAAAT TAATAAAAGA
95221 GATTCTAATG ATTATTTTCA TTACTGCATT TCATTGTAGG GAAGTAGATA ATTGCCCTTT
95281 ATTCAGTAGC CTTGCTTTTT TAAAAATTTA AACCATGTTA CCATGAAAAT GCTTTTCAGT
95341 ATTTCTCTAC ACACAAGATT GCTGTAAGGG CAAAAATAGA GATAGGAATC ATGCATCCAT
95401 TGATATACAT ATTTTGATTT TTAATACATG TTACCAAGTT GCCTCCTGAA GGTCTGTTTA
95461 CACTCTCACC AACAGGGTGT TTTTCTCTGA CTTCCACAAA TGCTCTTGAA CAGTGGGTGT
95521 GTTAGTCTGT TCAAATTGCC GACATGAACA ATTAAATCTC ATTGTTGTTT TTATTTTTTAA
95581 GACAATTATT GTTTGAGACT GCACATTTTG ATAATAACAT TTCTTCTATT ATGGTTTGAT
95641 TACTCATGAT TCTTGCCCAT TTTCTTTTGG GATGTTGCCT TATGTACATT ATTTTAAATA
95701 GATAGCTCCA TGTATTAAAA GATTATTAAAG TTTGAGGGCT TATGATATGT CAGTTACATT
95761 TCTAAGATTT TTTTTTTTTT TTTTTTGAGA CGGAGTTTCA CACTTGTGTC CCAGGCTGGA
95821 GTGCAATGGT GCGATCTCGG CTCACCGCAA CCTCCGCCTC CAGGGTTCAA GCAATCTCC
95881 TGCCTCAGCC TCCCCAGTAA TTGGGACTAC TGGCAAGCGC CACCACGCCT GGCTAATTTT
95941 GTATTTTTAT TAGAGATGAG GTTCTCTCCAT GTTGGTCAGA CTGGTCTCGA ACTGCCGACC
96001 TCAGGTGATC CACCCGCCCT GGCTCCCAA AGTGCTGGGA TTACAGGTAT GAGCCACTGG
96061 GCGCGGCCAC ATTTCTAAAT TCTTTATAAG TATAAATTCA TTCAATCTTC ACCAAAACCTC
96121 AATGAAGTGT GAGTACTATT ATTATCATTT TTTTACAGAT CAAAACAAGT AATACAGTCA
96181 CTTACTGAGT TCTATACACC TGGTAATTTT TTTGTTTCGT TGTCTATCA ATTATTGGGG
96241 AAGGGGTGTT GAAATCTCTA CTTTAAATC ATGTATGTGT CTATTTCTCC TTTGCTTCT
96301 ATCAGGTTTT GCTACACATA TTTTGCAAGT CTGTTATTTG GTGCATATAC ATTTAGAATT
96361 GCTTGTTTTT CGTATTGGAT TGACCCTGTT ATCATTTATG AATATCCCTA TCTGTTCCCTA
96421 GTAATTTTCT TTGCTCTGAA ATATACTTAT CTGATATATC ATCCAAAAGA CCACAGGAT
96481 GGCTAAAGAG TAGAAAGGAG AGATTTACTG GCAATACTAA TTTGCAAGCC AGGAAGAGAT
96541 GGTCCCAGAA CCTGCCAAA TTACTCTCTC TTTGGGGAGA AGGAGCAGGT TGGTTATTTT
96601 TATGCCTCAT AGGCTATATA TTACACAATA GAGTCATACA TATTTAGCAC GTTTGGGGGG
96661 ACAGCTATAT ATATTATGAG GGGTGCCAAG TGCATTCACA ATGGATAAAC ACGTGTAAATA
96721 TACCTCCCAT GTTCACTTCG AGGTTAAATT TTGGTTAAAA TGAGGTAGAA TTTAGGTCTT
96781 TACATCACAA GGTGAACTAT AGGAACAAAG TTTACGTGCT GCCTCTAGCA GCTGGCTGAA
96841 AATGGCTTAA GGTCTACAAT TACGTGTAAG AATAGAAATG GTGTCAAGGC GGTCTCTGT
96901 CCAATCAGAG TTGTAGTGGA CTGGACTGTA AATCAGAGTT AGGAGGGCTT CTGATAGCTC
96961 CTATAGTTAA GGAATTTAGC AAGTGTGAGT TTTTGGTAG TCTTTGGAAT TTAGGAATTT
97021 GCCATGCCAG CCAAGCCATG AATGCTCTAC CAGTAGGTAA CTTTGTTTGC TTAATCTTAG

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97081 AGTCTGTCTT AGTTGGTATA GGGGCATCTA TTTTGGTCTT TCAGATCCCA GATATTATTA  
97141 ATACAGATAC TCTTGCAGTT TTGGGCTGAT GTTTATATGG CTTATCTTTT TTGCAGCCTT  
97201 TAATTTCAAC CTGCGTTATG TTTATATTTG AAGTGAGATT CTTCGAGACA GTGTACAGTT  
97261 GTTGTTTTTT TTTTTTTTGA GATGGAATTT CACTCTTGTT GTCCAGGCTG GGGTGCAGTG  
97321 GCACAGTCTC AGCTCACTGC AACCTCCGCC TCCTGGGTTT AAGGGATTCT CCTGCCTCAG  
97381 CCTCTTGAGC AGCTGGGATT GCAGCCATGC GCCACCACAC CCGGCTAATT TTTGTATTTT  
97441 TAGTAGAGAC AGGATTCACC ATGTTGCCCA GGCTGGTCTC GAACTCCTGA CCTCAAGTGA  
97501 TCCGCCAGCC TCGGCCTACC AAAGTGCTGG GATTACAGGT GTGAGACCTC GCGCCAGCC  
97561 AAACGTGTTTT TTTATGGGTG TATTTATACC ACACACATTT AATGCAATTA TTGATATCTT  
97621 AGGGCTTAAG TTCATGAAGG GTAGTGTGGG AACCATAGTC TCTTGGCCCA CTAAATGTTT  
97681 GCCAGAAATC ACTGACAAGG CAGATTGATT AATAGGTGAA AAGGCATTTT ACCTATTGTT  
97741 TAACGTGTCT ATGTGGGAGC ATTCAGAAAT AATTACCTAA CTTCCCAATG AGTTATAGAT  
97801 GCTTATATAC CATTTTTAGA TCACAGAAAG AATTGGGGCT TAGATTCTGG TAAAACAGGT  
97861 TATGGGAGGC AAAAGAGGTT TGGCTTGCAA AGGTGGCCTT GTTAGGTAGG TGAAGCCTCC  
97921 CTCAGAAAGA ACAGATGGTA AATGTTTCTT TTATGATTTT TAAGTGTGAG ACTCTCAGTC  
97981 TCTCCTGGAT CTGGGGAAAG GTATAGAAAG GTGAGGAGGC ATGGCTGCAT TAATGGAGAT  
98041 TCTCTACAGA TGTAATAATT TTCCCATTTA AGGCAGCTTT GCAAGCCCAT TTCTGCCTGC  
98101 TGGCCAAGCA GCAGCCATTT CAAAATATGT CAAAGAAATA TATTTTGGGG TAAAATATTT  
98161 TGATTTCTTT TAGACTGGTG GCCTTATAAG AAAAGGAAGA GACACCTGAG CTGACACACA  
98221 TACCCTTGCT CTCTCAACAT GTTATGATGC AGTAAGAAGG CCCTCACCAG ATACTAATTC  
98281 CATGCCCTTA GCTTCCCAGG TTCTAGAAAC GTAGGAAATA AATTTCTTTT CTTTAAAAGT  
98341 TAGCCAGTCT GTGGTATTCT GTTATAGTAT CACAAAATGG ACTAAGTAAC TATATTATGA  
98401 TCATCTTACA TGACTGATCC CTCCTACATC ATACACATAC ACAGGCCACA TTTGGAACAT  
98461 TGTTAGAGGT TCCTCTACCC AGTACAAATG TACTACAAAT TATATATGTA TTTTAAATTT  
98521 TTTGAGTATC TTCAATAGTA TATTTTCGTT AACTTTTGTA GTCAAAATGT CATTATAACA  
98581 TGTATTCAAT ATGCATAATT ATTAGTCAGA TGTTTTACAT TCTTTCTTCA TACTAAGTGA  
98641 TATGGTTTGG ATATTTGTCC CCTCTAAATC TCATGTTGAA ATGTAATCTC ACAGTCTTGA  
98701 AGTGAAGCCT GGTGAAAAGT TTTTGGATCG TGAGGGTGAA CCCCTCATGA AGCGCACTCT  
98761 TCAGGGTAAT CAATGGGTTT TCACTTTGAG TTCACAAGAG ATCTGGTTCT TTAAGAGAGT  
98821 GTGACACCTC CCCCCTCTCT CTCGCTCAGC TCTCACCATA TGATATGCCT ACTCCCTCTT  
98881 CACCTTCCAC CATGATTGGA AGTTTCTCTG GGACTTGCCA GTAGCAGATG CCTGCACCAC  
98941 ACCTCTGTA CAGCTGCAC AACCGTGAGC CAAAAAAAT TACTTTTCTT TATAAATTAG  
99001 TCAGTTTCAG GGATTCCTTT ATAGTAATGC AAGAACGAAC TAACACACTA AGTCTATTTT  
99061 ATATTTACAG AATAGCTCAA TCTGAAGTAC CCTTTTTCAC CTTACAGTA GCTACTTGTA  
99121 GCTAGTGGGC ACTGATTTGG AGCGTGTTC AAGGTGAATT GTATTATGCA ATTAACAGAT  
99181 TTTTATTATT GTTTTCGCAA ACCACGAGGC ATAGATTGTC TTACTTTCTC TGCTCCTGGT  
99241 GTTGGAGTTG TTATTGGGAA ACAACTTATT TTCTCTTAT ATTTATATGG AATAAATAAC  
99301 CCCCAATATT TCCCTCCCCA ATATCTGCCT TTTGTATGTT TTTTGAAGGC AAGTGCCTAG  
99361 AATTTACTGT TTTTGAAGCA CTTACTGAAA GGATTGCCAT CAAGTTGTTT TGCTAATAGT  
99421 ACATGCCAGG CGCTTGTTGG TTTGCTTAAT TCAAGGTAAC TTGGATGAGA AGAAGAGTTT  
99481 TTCTCATCCA TGGCTCAGTG GAGTATAGAT TACTGATATT GTGACTGGAT GTACTCCTGC  
99541 TTTCTAGTCA GAGTTTTTGA AGCTACCCTT AATCTTGGTT TCAATTTTAT CTAGCCCTGT  
99601 ACATATCCAA GGCTCTTTCC AAAATGGTCT ACGATTTGTT TAGGAAGTTA GAATAGCTGT  
99661 ACTTTCTGAA CCACGGTTCC TGACATTTTC TGGACTTCAA ACACATCCAG CATTTTATCG  
99721 AAGTATTTAT CCTTCCTACT TGGCTGGCTT CTTCTTGCC TTCAGGTCTG AATTCAAATG  
99781 ACATTCTCCT GATGAACTT TCCATCCTTA TTTCTATTCT TTTTCTTAT CCCCTTTCTT  
99841 TATTTTCTC CACAGCACTC ATCACTTATC TCTACATTTT CATTATGTAT TTACCTTATT  
99901 GTGCACCTCC CACTACAAGA CAAGTAGCAC CGTAAGGAAA CAGGTGTGCT GCTTTTTCAC  
99961 TGCTATGCTC CCTGCACCTA GAACACTCTC TGGCACTTAG CAGGTTTTC AATAATATAT  
100021 GCTGAACTAA TAATGCTGGA TATACATCTC CCTCATGAAC TCTCTAAATC CTTCTAATTT  
100081 ACATTGATCA ATCTTCTTTT CCATGTGCTT TTGTATGATT TATTGCTCAA AATCTTTATT  
100141 TTGTATGCAG AACGTGCACT GCTATTTAAT CTTTATGTAC GTAAGTCCTC CTTCTCTGTA  
100201 GTATAATCTC TTCAGGGCAC TATCTGAGAT AACTTTTTTA CATCTCCATC ATGAATCTTG  
100261 TACCTTTTCA AAGAAAATGA GCCAGTGATT ACTGATGTTT ACGGCTATTG TTGAGGGTGA

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100321	AGATCATTAT	AATTTTAAAA	AGGGAAGTTG	AATATTGTGA	AGGGAAAGAT	AACACTAGAG
100381	TCAGAAGACT	TGGGAGAAGG	CAAAAAACAA	ACTAAAAATG	AGCACTTTTA	GTCTCCTGAC
100441	AGTTTCTCTG	AATCAAATCC	ATAGTTCTGT	GACAGCGTTG	GCTTAGAAGC	AGATTTTTTTT
100501	TTTTTTTTTTT	TTGAAATGGA	GTTCGCTCT	TGCCCAGGCT	GGAGTGCAGT	GGCACGATCT
100561	CGGCTCACTG	CAACCTCTGT	CTCCAGGGTT	CAAGCGATTG	TCCTGCTTCA	GCCTATGGAG
100621	TAGCTGGGAT	TACAGGCTCC	CACAACCACG	CCCAGCTAAT	TTTTTGTATT	TTTAGTGAAG
100681	ACTGGGGTTT	CACCATGTTG	GCCAGGCTGG	TTACGAACTC	CTGTTCTCAA	GTGATCTGCC
100741	CGCCTTGGCC	TCCCAAAGTG	TTGGGATTAC	AGGCATCAGC	CACCGTGCCC	AGCCAGGAGC
100801	AGATTTTTTTT	ACACTCATGT	TTCTTTTTTCC	TTCTGTCATC	CTGTTTCAGT	ATAAGCAGAC
100861	CACAGATAGA	AGTAGTAGAT	ACCTCAGAAA	TTCTTGGAAT	AATTAATCCA	CGTTCATCTG
100921	TACTCCATCT	GCTCCTATCT	CATGGAATAT	AAAAGGAAAA	ACACCAAGAT	TTCCCTAGGC
100981	AATCTGTCTT	GATTTTAGGT	TCCTCAACAG	GAGAGCCAGA	CAATGGCTGT	AATAATATTG
101041	TCCCGGCCAA	GGAAAACTT	CCCCTTTGCC	CTCCCAAGGT	TTATGGAAAA	TTACTGGCAA
101101	AACACAGATT	AACCTGGAGAA	AAGGCATATA	TATTTATTTT	ATCACAATTT	TACAGGAGAT
101161	TTTAGAATTA	AGACTGAAAG	ATACAGGGGA	AATTGCCCAT	TTTTATGCTT	AGGTTCAACA
101221	AGATAAACAG	CTGTATAGGG	TACGATCTAA	TGCTAACAGA	CTGAGTGGGG	AAGCCCCGCA
101281	AGGCTTGTCT	GTCAAGATTG	TTCTTGACCT	CTCAGTGCAG	CATTTCTTCC	TTCTGGTTAT
101341	AGGACAAGAC	TCTCTTTTAG	AATGGGGGGT	CTTATGACCT	ACAGGCAAAC	AAGGTAGGTT
101401	AGAGTAATAT	TTTTAGGTTT	TATGGCTGGT	TCTAGGGAAA	AGGAGTTCTG	GTTTGTATGG
101461	CCTACCTTGA	GGAGGAATTC	TGGTTTCTAT	GGCTAGACTT	TGGGGAGAAT	GGGACTTACA
101521	GACAGGAAGG	CAGAAGGTGG	TCAGTGAAAC	ACTTTTATAA	TCATAATCCC	ATTTTGTAGTA
101581	TTTCTGTGTT	ATGGAATGTT	TGTTCTCTCA	TTTCTTGAAA	GATTCCAGAG	ACTCCTCATT
101641	CAGTGTGTGT	AAAAAGTTCA	GGAAATGCAA	CTCAAAAATG	TGCCACTTTG	TTACGCTGAT
101701	TTCTTTGAAC	TGAGGGCACC	TAGGAAACAG	TAAATTCAAG	GAAGGGCTTT	CGCTGAACTC
101761	TAATCAAAAA	TTGAAAAATT	AAAAAAAAGT	TCAAAAAGGA	ATTTAGTTGT	TAAGATTAC
101821	TTCCCTGGGG	AATCTCATCA	ACCAGAGAAC	ATTAAGTGA	TCACAGGAGA	GGAGACTGGT
101881	GGTTAACACC	ATCTAAACAG	ACTTGTGAC	AGCTGTAC	TATTCTTTGA	AACACCCATT
101941	TATTTTCTCT	CAAAATCATA	TACTCTCCCC	TAAGTTGCCT	ACATCCCCCT	TCTTTCTCCC
102001	TTATGAATCA	AGAGAGCTTA	TAAGCTTCTA	CAGTTCAC	GGATTTGGGG	TATTCGCTTT
102061	TCTTCCCTCC	CACTCCCCCT	CCCCTTTTTT	TGTCTTTGAG	ACACAGTCTT	CTGGCTCTGT
102121	CGCCCACGCT	GGAGTGTGGT	GGCTCTATGT	GAACCTACTG	CAACCTCCTC	CTCTCGGGTT
102181	CAAGCGATCC	TCCCACCTCA	GCTTCTCGAG	TAACCTGGA	TACAGGCGTG	CACTACCAAG
102241	CCCGGCTTTT	TTTTTTTCTT	TTTCTCCCC	GTTTCTTTT	TGGTTATTTT	ACTGGAGACA
102301	GGGTTTCTCC	ATGTTGTCCA	CGCTGGTCTC	GAACGCTG	CCCGCCGTCC	TCGGCCTCCC
102361	AAAGTGCTGG	TATTACGGGC	ATGAGCCACT	GCGCCCGATT	TGAAGGACCT	CTTAAATATC
102421	TATTTAGAAA	TTGGTCCGAG	TCCACTCCTT	TCCAAAAACA	TGAGTCACAA	TCCGGGAAAA
102481	GCACGAGCGG	CTGAAAGTCA	AAATAACCAG	AACAAAACCT	CCACTCATGC	TTAAAAAAGG
102541	TATTTTGACA	AAATCCTAAT	TCGGCCAATT	ATTATTAGTA	TTCAAGTCGA	AGGCTCGTCA
102601	AGCCAGACTG	GGGATTGGGT	CAAACATAAA	CCTTACACCA	GACGGAAGGA	TTACATGCAA
102661	ATGAAGGATG	CAGATTCTGA	TTTCCCATTG	GGTATTTGAC	ATTAGCCAAT	GGGAGAATTC
102721	CTCACAGCCT	ACCTCCAGTC	AGTATAAATA	CTTCTCTGCC	TTGCGTTCTA	ATGTAGTTTC
102781	ATTACATTTT	CTTGTGGCGA	TTTTCCCTTC	TTATCAGAAG	TAGTTATGTC	TGGTCCGCGC
102841	AAACAAGGCG	GTAAAGCTCG	CGCAAGGCT	AAGACTCGGT	CTTCTCGTGC	AGGTTTGCAG
102901	TTTCCTGTGG	GCCGAGTGCA	CCGCCGCTC	CGCAAAGGCA	ACTACTCCGA	GCGCGTCGGG
102961	GCTGGCGCGC	CGGTGTATCT	CGCGGCGGTG	CTTGAGTACC	TGACCGCCGA	GATCCTGGAG
103021	CTGGCGGGCA	ATGCGGCCCC	CGACAACAAG	AAGACCCGCA	TCATCCCGCG	CCACCTGCAA
103081	TTGGCCATCC	GCAATGACGA	GGAGCTTAAT	AAACTTTTGG	GGCGTGTGAC	CATCGCGCAG
103141	GGTGGCGTTT	TGCCTAATAT	TCAGGCGGTG	CTGCTGCCTA	AGAAAACCTGA	GAGCCATCAT
103201	AAGGCCAAGG	GAAAGTGAAG	AGTTAACGCT	TCATGCACTG	CTGTTTTTCT	GTCAGCAGAC
103261	AAAATCAGCC	TAACAGCAAA	GGCTCTTTTC	AGAGCCACCT	ACGACTTCCA	TTAAATGAGC
103321	TGTTGTGCTT	TGGATTATGC	CGCCCATAAA	GATGTTTTTG	AGGTGTTTTT	AATGGCTTTG
103381	AGTGTGGCAC	TTTTAGTAAT	TTGTCTTGCA	GAAATTAGAT	CCATAGAAAC	CTCAGGAATT
103441	CTAGGTATGT	GGGAGAAGTG	CCATGCAGCA	CAAAACATGT	TTACAGGGGT	GATTCGCGTT
103501	AAGTTTCACA	CACAGCAGTT	ACTACATTTT	AGAGGAAGGA	AATTATACCC	ATGAGTGCAT

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103561 TCCTAACTAT CTTGAATGGA AGTGTAAAA CCCGCATGCC CCACACAAGT TTGAATATGT
103621 CATACCATTT GCTGTAGCAA TTAATGGCAT ACACAATTGA GAGCACACAC ATTACCACTG
103681 AACATTTGAG TATGTATTTT CCAAATGAG CTTTTTTTCCA GTTTGGGGAT GTTTTGCTTT
103741 GTTTTGGGGT GGAGTCTCCC TCTCGCCCAA GCTGGAGTGC AGCGGCGTGA TAACAGCTCA
103801 CTGTAACCTC GAACTCGGGC TCAAGCGATC CTCTTGACAG CCTTCTGAGT AGCTGGGATT
103861 ACAGGCGAGA GCCGCCACGC CCGGCTAAGA GCATTTTCTT AATTGCCAC ACTTCTTATG
103921 CGACACCCAG AAAAATACAA TTTTAAATAA AGCGCATATG CAAATTTCCC TAATCGTCTC
103981 CAATATCTCT TGATTTCTTT TTTATATTTT AACTAGAAAC AATTGGAGGT TTCCGCGTTG
104041 CTTTGTGTGG TTGTAAATTT TAAGACTTCA GGAAACTTTT CCAGTACAAG ACTTGTCCAC
104101 AGTGGATATA GCAGCTAAGG GGTTAACAAA ATGACGTCAG AGTAGCTACG GTAATGGGCA
104161 GGAGCCTCTC TTAATCTGCA ACCAGGCACA GAGATGGACC AATCCAAGAA GGGCGCGGGG
104221 ATTTTGAAT TTTCTTGGGT CCAATAGTTG GTGGTCTGAC TCTATAAAAG AAGAGTAGCT
104281 CTTTCCTTTC CTCCACAGAC GTCTCTGCAG GCAAGCTTTT CTGTGGTTTT GCCATGGCTC
104341 GTACTAAACA GACAGCTCGG AAATCCACCG GCGGTAAAGC GCCACGCAAG CAGCTGGCTA
104401 CCAAGGCTGC TCGCAAGAGC GCGCCGGCTA CCGGCGGCGT GAAAAAGCCT CACCGTTACC
104461 GCGCGGGCAC TGTGGCTCTG CGCGAGATCC GCCGCTACCA AAAGTCGACC GAGTTGCTGA
104521 TTCGGAAGCT GCCGTTCCAG CGCCTGGTGC GAGAAATCGC CCAAGACTTC AAGACCGATC
104581 TTCGCTTCCA GAGCTCTGCG GTGATGGCGC TGCAGGAGGC TTGTGAGGCC TACTTGGTAG
104641 GGCTCTTTGA GGACACAAAC CTTTGCGCCA TCCATGCTAA GCGAGTGACT ATTATGCCCA
104701 AAGACATCCA GCTCGCTCGC CGCATTTCGC GAGAAAGAGC GTAAATGTAA AGTTACTTTT
104761 TCATCAGTCT TAAAACCCAA AGGCTCTTTT CAGAGCCACC CACTTATTCC AACGAAAGTA
104821 GCTGTGATAA TTTTTTGTG TCTTAACAGA ACAAATTTCT AAGGACCCCC CCGGAAAGCA
104881 TTAGACTATG GTCTTAAAGT TGATTAACAG AAATAACGGT TTGGTCAGTC TTGCAGTGTA
104941 GGTATTTTCT GACCTTATTA AGGTGCTATT TGGAGAGAAG CTGTGTAAGT CCACTATCAT
105001 TCAGGCCTCT AGCTTGCTAT GATTAGCATT TGTTTAAACA ACTTTGTAAG AGTAAGGGAA
105061 AAATCTGGTA AGTAGTTAAC TGGCGCTTAC TAGGCATTTT TGCAAAGCTT TGAAAAGATT
105121 AGAAAATTGT GTCTTGCGAG TTCCAGTGTC TTCCCTCAAAA TGCTTAGGAA GATTTTCTCA
105181 GCTCAATACA TAGTCCCCTA GGTTTTCTCA TATATTATAT ATATATATAT ATATATATAT
105241 ATATATATAT ATATACTGTT AAATTCATTT GGCTGTTAAC ATTAACCTGA AATTTATCTT
105301 GGTGCAAAAT GTGAGGCAGG GATCTAAGT GCTCTCATTT TATCCATAGC TAGCTACCCA
105361 CTTTAAATCT GTCAGTCTGT CGACCAAGCA TAATTTAATC CCTTATATAT GAATTTTTTAT
105421 ATGTGTGGCT TTGCTTGTA ATAGTCTATC TGGTTGCATT GCTTTGTCTC CTCTAGGACT
105481 ATGCACCATG ACATGCCACA TTCTTTTTTT CAGTACTTCT TGCCTGTAGT TATTAAAATC
105541 TAGAATTTAC AAGTTTTAAC CATTTTCTTT CTGTTGATCT TGCTTTTCGG TTTTGGAGGT
105601 TGGGGATTGA GTACTGGAAG AAAATTTAGA GGGATGGGAA TACTGTACGC AAACAAAAGT
105661 AATATTTACT TTTAAATTTT TATATTTTGT ATTTTTTTTAT CATATAGCTT TTACATCACA
105721 TTTTACAGAC TAACTTTAGA ACAACCACAG AATGTCCAAC ATTAAAACTA CTAATTCCAA
105781 AGACCTTGCC TCACATTCTT TTTTACAATA AATATTTTTT ACACCTAACA TTCTTTCTTG
105841 GCCTACATCT AGAATGTAAA CTGATGTACC ATACTAAAAT CGCCTGACCA ACTGTCAACA
105901 ACAACAAATC ACACACACAA AAGATCAAAT TTGAATTGCA TCGTTTACTT AAATTCATTT
105961 GTGTTCCAGC TTTTAATAAG GCAGTTTTTG GTTTATAAAG TAATATTTGC ATTTTAAAAA
106021 TTATGAAAAT GAATATGTCA GTTTGTTTTA TGATTGCTTT TTCTTGACTC TTATACAAGC
106081 GACTCTAACT GGCATAGACA TTTGTTATCC ACAGACAGTA TAGATATGTT AGAGATGCCA
106141 ATGGACTTGG TCTATGCCAA GGTGACTACT CACAAGCTCT GGGCCAGCT GAAGGTCAAG
106201 TATTTTTTTT CCAGTTATAG ATGTGCTGGA TCTGATGTAT AGCGCTTGAC TTTTATATT
106261 TTCTTTATCT GTAGGAAACA AATGTGTTGG AGGTACTGGG TCTGACGAAT AGCATAAAAG
106321 AATAAAGTTA CATTAAGTGC TGAGGATCAG ATGGACAGGG GGTGGTAGCT CAGTCCAGCT
106381 ATTTTCCACT CCTCACTTA CATCTTTTGC CCCCTCCTCA ACAGAACAAAG GATTCTGCTG
106441 TAACCTCTTA TTGACAGTTG ATATTTAAAA ATTAACGAAT GGATGAAATT CTCATTTGTG
106501 AAAGAAAATT TATTGAGCAT TTTGTATTTG TGAGTAGTGC AAACATTTTA ATATTATATT
106561 AAGAATCTAT TGTTTTGTAT TAGAGGAGTA ATTAAGGAGA GATTGGAGAC AAAAAGGGGG
106621 TGTGTTTGC AGAATATACC ATCCAAAAAT AGACCACTGT GGGATCAGGA TTCTTTTGAG
106681 CTAAAGGCAC TTCAAAAACA GCATTCAAGA AGGGAATTCT TCTAAACTTT TCTTTCTGAA
106741 AACAGGAGAT AAAAGTTCCA ATGTGAAAAA TGCTCTGCTT GTACCAGGTG AAAAGACATA

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106801	TTCTTCAGCC	CAGAGGCATA	GATGAGATAA	TTCTGCACAA	ACACAGCAGG	GAGTCATAGC
106861	CGAGAGACTT	CTATACACAA	ACAAACCTTG	TAAAAATAAT	CATATATTCC	TTTAATCTCC
106921	TCATATGGTT	TACTTTCCCA	CAATTGCCCTC	TCTTTAACTT	AATGTGAAAG	CATTTAGCTT
106981	TTGCCATTTT	TTTGGGGCTT	CACTTTTTTA	TGAGGGTTCT	CCTGTCCCAT	AAAAATTTACA
107041	TTAAATACAT	TTGTATGCTT	TCATTCTGCT	AATCTGTTTT	ATGGCAAAATG	AATTATCAGG
107101	TCCAGCTGGA	GACCCTAACA	GAGTAGAGGT	AAAATTTTGC	CTCCCTACAA	GATAGAGATT
107161	GTGTGCATTA	AATGTTGTTT	GTTCCCAAGT	GTTTCAGTTT	TCAGGCCTCT	GAGCCGAAGC
107221	TAAGCCATCA	TATCCCTGT	GAACCTGCAG	TATGCCCTCTA	GATGGCCTGA	GATGACTGAA
107281	GAAACACAAA	AGAAGTGAAA	ATGCCCTGTT	CCTGCCTTAA	CTGATGACAT	TACCTTGTGA
107341	AATTCTTCT	CCTGGCTCAT	CCTGACTCAA	AAGCTCCCC	ACTGAGCACC	TTGTGACCCC
107401	CACCCCTGCC	AGCCAGAGAA	CAACCCCTTT	TGACTGTAAT	TTTCCACTAT	CTACCCAAAT
107461	CTTATAAAAC	GGACCCACCC	CATCTCCCTT	CGCTGACTCT	TTTCGGACTC	AGCCCGCCTG
107521	CACCCAGGTA	GAATAAACAG	CCTTGTTGCT	CACACAAACC	CTGTTTGATG	GTCTCTTCAC
107581	ACGGACGCGC	CTGAAACAGT	TTAACAGGGT	TTTTCCCTGCC	CAGTCACAAC	AAAGTGATGT
107641	TATGCTGCAG	GCTGAAGTTT	ACAGCTAATG	CTGTTGAAGT	CTAAAAATCAG	TTTTGGTTTG
107701	TTAGATTTGG	GTGAGATGGC	TAAGATTCTC	AGAGAAAGAA	GTCAAGTTTG	GGGTGCATTT
107761	TTCAGACTTA	AAAATTTAGC	AGTAGCCCTT	GCAGTTTTTC	CAATAGAAGT	GATTTACGAA
107821	TGTTTTTCAG	AAATTTAAAA	CAACAGTGAG	AAGCGTGTAT	GGAGAGTTGA	ACTACACTCC
107881	AGACTTGGCT	ATAGGAAAGC	ACGAATGCTG	CTATTGTATT	GCACCTTGA	AAAGAGAAACA
107941	AAGGAATATT	TTCGGACAAT	TTTAACATGT	CACATATGAA	AAGCTAAACG	GAATCTGTCA
108001	ACACCTTGTA	CGTTATTACA	GGCTGTGATT	TTAAAAAAC	AATCCTTACT	AATACATACA
108061	TAGTTGCTGC	TAGCAATATA	GTGTTGGGAG	TAAAAACACG	AAAATGAGAG	TTCAGGACAA
108121	TATCCCAACT	CTGAGCAGAT	TTTTTTAAGT	AGTAACATCT	AAAATTA AAC	CATATTATGT
108181	AATATTTATT	TCTTTTCCAC	AGTCTCTTCT	CATGCCCTCGT	TCACATTAGC	TAATTA AAAG
108241	TCCCTTGAGT	ATCATCATAA	CCCGATTTAC	AGATGAAGGC	ACGGTTGCAA	TCAGCTATCA
108301	CCCTCTTCTG	AATGAGACAG	TACAGTGTGA	AGGATAGCAA	AACCTCCACTC	CCATCCTCTT
108361	AGGGCTCTGG	CTGGACCAGC	AAATTA AAAT	AATGTA AAAT	GGATTAAACAG	GAGAAAGGTA
108421	TATGCATTTA	TTTAACACAG	GTTTTACGTG	ACACAGGTGC	TCTCATAAAG	TAATGAAAGC
108481	CCAAAAAAG	CAGTTAGCTA	CTTATATAAT	GAATTGGACA	ATTAGTAAAA	TGTA AAAATG
108541	CGCTAAAGCA	AAGGGATTTA	GGCTAGAATA	TATAACTGTG	TAGAGAAAGC	CCCAGCAAGG
108601	GCTAGTGCAA	GGTTTGTACA	GAATTCCTCT	GGCCTCAGCC	TCCTATCCTT	GAGAAGAATG
108661	TTGCTTTTTT	TAAACTACAG	TGAGAACATC	TTTCATATGA	GAATTCACC	TACTGCTCT
108721	AAGAAACAGG	TCAGCTTTCA	AGAAAACATA	AGGCCAGAGT	GATCTTTTCA	CGCCTGCTCT
108781	TTTAAGTACC	TTTGAATAGT	CAATATGTCT	TCAAGCACTT	GAAAGACTTA	AAAAGTTTAC
108841	CACTCCGGCA	TATTAGTGAA	AGCCCTTAAT	ATAAGCCCTT	ATTAAAAATTC	TCAGTCGAGG
108901	GTATAAATTC	AGATTCAAAT	AGTAGTGTCT	TAAACGGGAG	GGAAAAACTA	AAGGGATTAA
108961	AAAGTGAAAC	TATTGTGTTC	TCCCTCGCAG	TCCTTAGGTC	ACTGCCCTC	GAGGGGCGGA
109021	GCAAAAAGTG	AGGCAGCAAC	GCCTCCTTAT	CCTCGCTCCC	GCTTTCAGTT	CTCAATAAGG
109081	TCCGATGTTT	GTGTATAAAT	GCTCGTGGCT	TGCTTTCTTT	TCGCGTACCT	GGTTTTTGTT
109141	GTCAGCTGGT	TAGACATGTC	TGGTCGCGGC	AAAGGCGGTA	AAGGTTTGGG	TAAGGGAGGT
109201	GCTAAGCGTC	ACCGAAAAGT	GCTGCGGGAT	AACATCCAAG	GCATCACC	ACCGGCCATT
109261	CGGCGCCTTG	CTAGGCGTGG	TGGGGTTAAG	CGAATTTCCG	GTTTGATTTA	TGAGGAGACT
109321	CGTGGCGTTC	TCAAGGTGTT	TCTGGAGAAC	GTGATCCGGG	ACGCCGTGAC	CTACACGGAG
109381	CACGCCAAGC	GCAAGACTGT	CACCTGCCATG	GATGTGGTTT	ACGCGCTCAA	GCGTCAAGGA
109441	CGCACTCTGT	ACGGCTTCGG	CGGTTAATCT	TTTCGTCAGT	TTTCTTCCAA	TGGCCCTTTT
109501	TAGGGCCGCC	CACCTCCCTCT	CAGAAAGAGC	TGTGATTGTA	TTCTTTTCGGA	TGGTAACATC
109561	TCAATGGCTT	TACTCGGCTA	TTCTGCCTAG	TATGTAGAAC	TATTATAAAC	CAGTTGGGAG
109621	AGACCAGGTT	GTTTGGTCTG	AGTGGCTGCT	AAAGCAGAAA	TCAGCTAAGT	AAACGAGGTC
109681	TCCGAGATAA	GTGAGCTATA	AACCTCAATG	CTATAGTTTT	GACATGTCAA	GCAACTTAAC
109741	GTGCAGCGCG	AGTCCGATAA	ATGAGTAGCT	CAGCTTTTTA	GTTTTAAAAA	CGAGTTGTGC
109801	GTTATTTGTA	CGAGAGCCTA	AGATGCTAGC	TGCCTGGAAC	TGAGTAGGTG	GATTAAAATG
109861	GGTGTCAGGT	CTGTTTTCCC	AGGCGTATCT	GACTTAACGT	CAGCAAAAGC	TGTACTTTTA
109921	GCTTCCCTGG	TAACACCTGC	CGTCCCTAAC	CGCCCCCTGC	CGGTAGCGCC	AGAAGCCTTT
109981	ACTTCCATTT	CTAGTTGAGC	TTGGCGTCCT	GCTGAGTGAC	GTCACCTCCC	CCTTCTGTGG

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110041 AGTAGGACTG GCGGTAAAG CTGCTTTGCT ATTTTCAGTC CTCAGGCTGG AGGCTCCCCT
110101 AAGCAGGCTG CCTACGCAGT TCGTAAATTC CCACTTAGTA GACTAAGGGA GTCTGTTTTA
110161 TAAATAAGGA CTCAAATTTT TTTCTGACTCC GAGGTCCGTG GCAGCAGCTA TAAGATGGAA
110221 GCCCCCTCTG ATGTAAGATT CTCAGATGAC TTGCATCTTC ACTGTACCTG TCAACCCAAT
110281 AGTCTTCTAT TCCTGCCTTA AATTGTAAAT TCCAAAACCTG ATTTAATTGT GAAAGTTTCA
110341 AACTGTACGA CCTAGGAAGT GTCAAAGTTA GGTGACCAGA TTTTTAGAAG TCAGCCAAAT
110401 ATTCAGCATC TTTGATTTAG TAACAAATAT ATTGATGGCT ACTTCAGCAA AAAAAATCAA
110461 CTTTGTTTTC TGGTTACTTT GCTAACAAAGC TTCTCCTGAC AGGAGGATAT AGTGAATAGG
110521 CAGTTGAATA AGTGAGTTCG GGTGAGAGGT CTGAGCTGGA GATAAAAATG TGTGAGTCAT
110581 CAGCAGATAA ATAAATGCTG AGACCAGATG AGATGGCTAA AACTGAAAC ATAATGTAGT
110641 GCAGCATTGT TTGTAATAGT AAATGAGTGG CAACTGTAAA GTTTTCATCA GAAAGGACTA
110701 GAGTGATCTA TACATCCATA AAATAGAGTA TTTCTCTACA CAGCCCTACT AAAGAATGAG
110761 AAAGCTGTAC TCCACTACAT ACTCTGGTGT ACTCTGGCTC AGTTCTTTGA CTCTCTTTTT
110821 CTTGGCTAAC TCAACTGGCC TCACCACCTA CATGCTCTGT GCTCTGTCAA ATAGTTTGTG
110881 CAACAGAACA CCACGGCCTA GCTGTAAGTG CCACGTTAAC TTCTAGCAAT GCCAAAGCCT
110941 GTGATAGTGG CAGCTTCGGG CTGTTTCTCA TTCCCGGGAT GCCTAACCAC CTCTCCAAAT
111001 TCTATCAGTT TGCTTCCACC CACTTCAAGC TTCAGAACGA AACATAGAGC TTAAGAAATA
111061 TAGGCCCGGC AAGGTGGCTC ACGCCTGTAA TCCCGGCACT TTGGAAGCT GAGCCTGGTG
111121 GATCACCTGG GGTGAGGGGT TCGAGACCAG CCTGGCCAAT ATTGTGAAAC CCCGCTCTCTA
111181 CTAAAAAATA AAAAAAATTA GCTGGGCATG GTTGGGGCG ACTGTAATCC AAGCTACTCG
111241 GGAGGGTGAG ACAGGAGAAT AGCTTGAAC TCGGAGGCAG AAGTTGCAGT GAGTTGAGAT
111301 CGCGCTATTA CACTTAGGCC TGGGAGACAA GAGTGAAACT GTGTCTCTAA ATAAGTGTG
111361 GCAATTATAA ACCATCTCCC TGACCTTAAA TCTCTAGACT CATATACAAC TGCATATTTG
111421 ATGTATCTAA TTGAATAATG GGCATCTCGA ACTTGTCCAA AATATGTTTA TACGTAAACA
111481 CCAAGTCTGT TCTTCTCTGT ATATTTGTCTA TGTCAATCAA TAGAACTCCA TTCTTCAAGC
111541 AGCTTGGGCC AGGAATTGTG CAATATTGTT TGTCCTGAGC TTCTTACAAC TTTCACCCAA
111601 TGCAGTCAGC TCTGTTGAAA ATCAATCAGA ATACCTTTCA TTGTTTTCTT TGCTGCTTCT
111661 CTAGGAGCAA GCTGCCATGG CGGTTTGTCT GAATGACCAC AGTGACCCCA AGTGGTCTT
111721 TGTTTTCACT TTTAATCCCC CTGTCATACA GTTTTTCTCT ATCCAGCATC AACAGTGATC
111781 CTTTTTGAAG GTATTATGTC CACTGTCTGC TGAAAAGATT CCACTGGCTT TCCATCACCT
111841 TCATAATAAA AACCAGCATC CTTATCATAG CCTACAAGTA AGATGACCAA CCATTACAGT
111901 TTGCCTGACT CTCAGGGGTT TCTCAGGGTG TAAGACTTAC AGTGCTGAAA CTTAGAAAGT
111961 TCCAAGCAA CTAGGATGAG CTGCTCAACC TACTAGATCT GACTCTGGC TACCTCTGA
112021 CCTCATCTCT TTCGCAGTTC TTTCTCTTCA CTGACCTTGC TGTTTCTGGA ATGGACCAAG
112081 CATTTCCAGC ATCAGCACCT TTATATCTAT TCTTTCTCCC TAGAAGGGTC TTGTCCTGGA
112141 TATCTGAATG GCTCTAGATC TCATTTCAAT CAAGCCTCTC CTCAAATACC AACCTTAAGA
112201 AAGAGACCTC CCATAATCAT CCCTTGTAAT ATAAGCTTTT CTGCTCATTT AGCATATATA
112261 TATATAGTTG ACTATCCTCA ATAGCATATA TATATAACAT TTCCCCACCT AGAATTATAT
112321 ATGTAATAAT ATATTTAACA AAAAATACAT ATAACAGAT ATATTTTATT TTGTGTTTGT
112381 TCTCTCTCCC CCAACTGGAA TATATTTTTT GAAGGTAGGG ACTTTGTTTT GTCCCAGAAG
112441 TATCCCTAGC ACCTTGAACA GGGCTGACGT TTAACAGGTA GTTTATGGAG GTTTGTTGAA
112501 TGAAAGGATG TGTGAATTTT CTATGTAAGT CTCCAGGCTC TCCACTAAGC CCACCAGAAT
112561 GCTAACACAA TCAATTCCCC ATCTCATTTT TTGACCTGCC ACTGCCTGAA GCAATCAGCG
112621 TGCAGTTTCT CTTTAGAAAA TCTGGGGGAT AGTCTAGGGG TTGCAAAATTA AGCAACATTA
112681 TCTTTGTTCT GAACAAGGAC TGCATGAGTG TTAGGACTGA AGAAGGCCCA AGGTGGTGGT
112741 GGGTATGCCT AAGATGAGTA TGACATATCA GCAATGCTAT GAACATAGCA ATGCTATGAA
112801 AGGCCAGGCA AAACGTAACA GGAGCTAGTC GTGGCTTATT GTTACAACGA CTATACCTCC
112861 CATATGGGTA ATCGATATCC ACACACCCCT CTACATTGAC TCTGGAATTC AGGAAAGGGA
112921 ATTAAAAATT TCTAACTTAT GTACCCCAAT GATTTCAACA ATATCTGGCA TATGAGATCA
112981 ATAAATATCT TTAATAATACC AACTAAGAAA GACATAAAAT GACCCACCCT CCATACCAGG
113041 CTCATTTTTG CTCTCTGAT TCCTGAAACT ATCCAGAATG CAGCTATGAA TTCTCTCCAT
113101 TGTCAGTTTT AAATTAAGCC AAGCTGGGTA CTTGTGTAAT TCCTCAAGAA ATCCTGGATG
113161 AAAACTGTCA GGTGGAAGAAC AGGACCTCAA AATAAAGAGA CATCCATCAC TGAAGCTAAC
113221 ATCGTGAGGC TGAAATCAGT CCTATAACAA TGGTACCAA AAGAGCACAA TGAGAGGCAT

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113281	TTGTGAATAT	TTACTCAGAT	GAGAGTAAGA	TATTTCCCTA	TCAGCTAACC	TGAAGTTCAC
113341	ATCCCTTTTC	CAGCTGAGTT	CTGAAGCTAG	ATGTACTTAA	CTGGAACACA	TAAGTGCATC
113401	AGGAACATCC	TTTAAACTA	TGGCTACAAT	GGCTTGACTG	GACAAACCCC	AGGCTTCCAG
113461	GTTTAGCACA	GGTGGCCCTT	CACAGACCAA	CATTGCCTAT	GCTACCAACC	TCATGTCCCTA
113521	CCACCCTGCT	TGCATCATTT	CTCTCTCTGC	ATATATAAAA	ATATATGTGT	ATGTATATAA
113581	TCAGCTTTAT	TGATATTTAA	TATACCACAA	AATTTGCCCC	CTTTAGGTAC	AGTTCAATGA
113641	ATTTTACCGT	GTTTTCTTAG	TTGTACAACC	ATCATCACAA	TTTAATTTTCG	GAATATTTCT
113701	ATCACCCAAA	TTTCCATTTT	TGCGTAAAGG	GGGAAAAAAA	AAGGTAACT	GCTGAAGGCC
113761	GCGGTAACAC	TGAAAAAGGT	GCCTTTTCTC	TCTAAAACAG	ATTTTAATCT	CCCCTGAATT
113821	TAGTGTCCCTG	GGTATTCCAG	GAGTCTGAAT	AGGGTTTCAA	TTTTTCAGGGT	CTTTTGAATA
113881	GAGTAAACT	GTATTGGTGG	CGATAAATTT	AGTATTGCTC	TCAGTACATG	ATTGAGGGAT
113941	ACTTAAATGT	CTCTGTGATT	TTATTTTCATA	ATCGCTAAAA	GATGGTTTTT	TTTTTTCCTA
114001	AAACAGGGTT	TTTGTTTTTT	CTCAATAAGC	TTCTTAGCTT	CCCCTCCGGC	TCCCTGGCTT
114061	GCCTCAGGAA	ATATTAGCTC	ATCAGTTCTG	ATTGGTTGAC	AGCTACGAAT	GGCCCTCATT
114121	GATTGGGCAG	CGCTTCTTTG	TCCCTTGGA	ACTAATACAA	ATTTTAAACA	CTACTTTTTT
114181	TCCACTCTTT	CTTCAGAGTT	GGAATATCGT	TGCTCCCCTA	CCCATATGTA	GTGAGTGGAG
114241	GGCAAACCTG	GAGTTCCCCT	AATCTTTCCT	TTTTAGGATG	TCAGCTCAGT	ATCATTTCATC
114301	TTAATTACAC	ATTGAGCTTC	TTGACTTAAT	GGATACAGCT	CTTCTTTTGT	TTAGTTGGGC
114361	GGCCCTGAAA	AGGGCCTTTG	GTTCAGAAAT	GCAAGCTGTG	GAGAAATCAG	CAACCTTAAC
114421	CGCCAAAGCC	ATAAAGGGTG	CGTCCCCTGG	GCTTAAGCGC	GTAGACCACG	TCCATGGCAG
114481	TGACTGTCTT	GCGCTTGGCG	TGCTCCGTAT	AGGTGACAGC	GTCACGGATC	ACGTTCTCCA
114541	AAAACACCTT	GAGCACCCCG	CGAGTCTCCT	CGTAGATCAG	ACCAGAGATC	CGCTTCACAC
114601	CGCCACGCCG	GGCCAGACGC	CGGATGGCCG	GCTTGGTGAT	GCCCTGGATG	TTGTACACGA
114661	ACACCTTGCG	GTGGCGCTTG	GCACCCCTT	TACCCAAACC	CTTCCCGCCC	TTACCACGTC
114721	ATATATCTAC	TTCCCAAGAA	GTGAACCAAG	AGCAAGTGAG	AGAATAGGAA	ACCGATCTTT
114781	ATATATCTAC	GTTACCCCTG	CCCCACCTC	CAGCGGACAC	AGAGACTGAA	AAGCGCGCAG
114841	GCGGGAAATG	TGACGCCTAC	AGTCCGCTCC	TTTAACCCCT	CCTCCAAGCC	CCAGGAAATG
114901	GCGGGAGCAG	CGATTGGGGG	AGGGTGGGGA	GATGAGGGTG	GGACCAAGCA	GGCTTGACCA
114961	ATGGCCTTTA	TTTTCTTAAC	AGAGCTACAG	GCTTTGAGGA	ACTGGGTAA	GAATTAAATG
115021	TAAACCCATT	CTGACTCCAG	AATTATTTTA	AGTCGAACTT	TTTTTTTTAAC	CGAATCTCTC
115081	TGTCGCCCAG	ACTGGAGTAC	ATTAGAGCCA	TCTCGATTCA	CTGAAACCTC	TGCCTCTCAG
115141	GTTCAAGTGT	TTCTCCTGCC	TCAGCCTTCA	GAGTGTACCT	GGGATTACAA	GCGCTCGCCG
115201	TCGCGCCCGG	CGTGTTTTTG	TATTTTTTCGT	AGAGACGGGA	TTGCGCCATG	TTGGCCAGGC
115261	TGATCCCGAA	CTCCTGATTT	CTGGTAATCC	GCCCGCCTCA	GCCTCTTAAA	GTGCTTGAAT
115321	TACAGGCGTG	AGTCACCGCG	ACCGGCCGAA	ATCGATTGGT	TTTGAAGCCT	TCAGTAGCAT
115381	TAAAACGAAA	AGTGCTCCCA	ATGCATTCCC	TTTTGTCTTA	AATTGGTTTC	TTACAGCTAC
115441	TTTACTTGAA	AAGGTGGTGG	CTCTGAAAAG	AGCCTTTGCT	TGGACCGTCA	GAGAGACCAC
115501	AGTAATCACG	CCCTCTCTCC	GCGGATGCGG	CGGGCGAGCT	GGATGTCCCT	GGGCATGATA
115561	GTGACGCGCT	TGGCGTGGAT	GGCGCACAGG	TTAGTGTCCCT	CAAAATAGCCC	TACCAAGTAG
115621	GCCTCGCACG	CCTCCTGCAG	AGCCATCAC	GCGGAGCTCT	GGAAACGCAG	GTCTGTTTTA
115681	AAGTCTGCG	CAATCTGCG	CACCAGGCGC	TGGAAAGGTA	GTTTACGAAT	AAGCAGTTCA
115741	GTGGACTTCT	GATAACGGCG	GATCTCGCGC	AGAGCCACGG	TGCCCCGCCG	GTAGCGGTGG
115801	GGCTTTTTCA	CGCCGCCGGT	GGCCGGAGCG	CTTTTGCGGG	CTGCCTTAGT	GGCCAACTGT
115861	TTGCGTGGCG	CCTTGCCACC	AGTAGACTTC	CGAGCAGTTT	GCTTAGTGCG	AGCCATGACG
115921	GAAAAACAGC	ACAGCGGAAC	ACCCAACACT	AGCGCAAATA	CGCCCATGAG	CTGCTCTATT
115981	TATAGTGTGT	AAAGTGCAGT	GATTGGATGA	TAGAAGACGC	TAAATATGAC	GTTACACACT
116041	CTGATTGGTC	TATCTTTAAG	CCAGCAACAA	TCGTGCAGTT	TCACCGGCTA	CTATATTCTA
116101	TTCCAACCTC	ACAGATGATT	ATTTAAGTGG	TATTTTATTA	CTACTATTAT	TTTATTTTAC
116161	TTTTTGCTTTG	TTCCCAAGC	TGGTCTTAAA	CTTGGGCTCA	AAAGATCTTC	CCGCTCAGC
116221	ATCCAGAGTA	GCTGGGATTA	CAGGGGAGCC	CCACTGCGCC	GGCTTGGACT	TTAATTTTTT
116281	AACTTGTGCC	TCTTCTACAT	CTGGTTTTCA	TAACCTGAAG	GCTGTGTTTA	TTTTCCATAA
116341	AACAAGGCAT	TGATTCCAAA	GGTATTATAA	TTCCCAATT	CCGTATAACC	TTTACGCTCT
116401	TAGGAAAAAA	AAAAAAAAAA	AAAAAAGAGG	GAATACTGCT	CACCTCCTCT	CCGGAAATGT
116461	ACCCTTTACG	GGAATTTCTG	AAACCTTTCA	CAAGAATTGG	ATTCTTTTGT	AATGCTTTAA

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116521 TTGACTTAGG AGTGTATTG AAATCTACAA AGCATCTCAA ACATAGTAGG ATTACACTAT  
116581 TACTCAGAAA CATTTTCTAT GAGACGTCTT TCTCTTGATT ATGCTCTTTG AATCCTAAAC  
116641 TTGCAGCGTT CTGCAGCTTT TGTTTTCTAA AGCCTAGGTG TACTCTGCCA GTCACAAAAT  
116701 GCGGTTTCTC CAGCACTGCC GCCAGGTACC ACCAGCTGGG AGTTGTTTCT CTTGCGGAGC  
116761 AGGAGGTGGA CTTGGCCCAA GAGAACTGG ATAGTGGTTC GCAAGGAACA TAATTTAGCA  
116821 TTGCCAAGAG CTAATGCAAT CATTTTGAAA ATCTCAAAAC ACTGAAAAGT GGATTGTGAC  
116881 CTTTTTAAAT TCACAAGAGA CAGGCCACAT TCTATCTTTT GATTGGTTTA GGCTATTTTC  
116941 TTGAACAGCC ATTTAGAAA CAGATCTATC ATCCTTCATT TGCATGGAGC GTTCCCATT  
117001 TATTTGAAAC CAGTTTAAAC CAATAGAAAA AAGGGAGGCA GAACCCATTA TTTAAAGTGG  
117061 AAACCTCTGA ATCAGATAAT TAGGAGTATT TCCTTTTCAA AAGTTGCGTT TTTTCAGATA  
117121 CCTCGCTTAT TACACTAAGA AAGGTTTATA TCTTTTCAAA AGGGTTTACT TACAAAAATC  
117181 TTCCAATTTT GTATACCTGT GTTTCATAAC TGACTAGCCG TCAAACCAAG ATGTAGAGTT  
117241 TCCAACCGTT ATTTTCCAAA TTTTGTAGAAA TTACGTGAAA TATTTGAATG CATGCCTTCT  
117301 CAATAAAATG GGACGTAGGA AGCACTGGTG CAGAAAGATG GTACAATACT TATCTGGGAC  
117361 CACTCCATTA TTTGGTTGGC ACGTTGTTTG AAGAAAAAGG GGAAAAGCTC AGGTACTTAA  
117421 GCATGGTTTC GACTTATTTG AAAACTACCA CAGCAGGAGC GGAAATAAGA CCGCATTACC  
117481 TCACTCTCTG CTGTGCTGTG CTAGGGGGTT ATCCAGAATA GGATTGTAGA AGTGGATGTC  
117541 GATTTAATAG TTTTTTATTC TCCCATTAGC TGAGTCTCTG ATTGGCAATG TGAGATCGTT  
117601 TTAGCTTATT GATACTTTGA AATGCACCTA ACAGCCACAA ACAAGTTAAA GGGTTGTTAC  
117661 CATAAAATCT TATCCCCAGG GTGTGCTTGC ATTTATCACC CGTGTGTTGCT TTCACACTAA  
117721 GTGGACTTAA CTCCCCAGCA GAATGCCTGT CAGGGAACCG GTTTCGTGGA CCCAGCATTT  
117781 AACGCCTTTC GCAGGCTTGT GAGGCCATA AATATTTGTT GAATAAAAGA ATGAGTTGAC  
117841 CATGTCATGG TGCCTGATTT GCGTGTGCTG ACATGGAACA CAGGTTGTAA ACCTTAATAC  
117901 CAATTTGGGG CATGTTGTAT GGATGAAAAG GGCATTGGAA ATTCTGAAG TGCATCCAC  
117961 ATTTGGACTG GGAAATAAGT TGCAAGTGCA GAAACGTTTC CACACTTGCA GTTTGAGTAT  
118021 TAATTGCAGC GTTTGTGAAT TCTGGTGTG TCTACGATT ATTCTGTGTT GACGTGAAAG  
118081 GTATTCGCGA GACACATCGC TCTAAAACAT TGCCAGAAAA TGTAATAGAG TTGATGACAA  
118141 CTGGCCCTAA CACGGCCTAA AACTCGCACT TTTCTCTCCC TCCGCAACTA TTCAAAACAC  
118201 TGTATTTTAC ATTTCTTGCA AATTAATAAC TAACATCTCT GGCAACGGAC CTCTAAAAAT  
118261 TTCTAATAAA ACTCCTCGGA TGCTTGTGGC ACTGCATTTG TAAACCGCCC CCTCTCAACC  
118321 TACTCCCTAA AAAAGAGCTG CTTTTTGAGA GAGAAGCGGT ACCCTCTGAT GTTACTGGGC  
118381 GGCAGTCTGC CTACAATTTT CTTTACAATG AGGCAACCAG AGCGGCTTTT TCTGTGTGTT  
118441 TGCTTGCGTT GAGGGGAGCA GGACCATAGG CCTAGAGGC CCCAGCTGC CTTCTGAGAC  
118501 TGGGCGAAAC CCTCGGCAGC GCGCAGGGGG CGCTAGGGCG CGAGGGGCGG GCACTGACGG  
118561 GCACCAATCA CGGCGCAGTC CCACCTATA AATAGGCTGC GTTGGGGCCT TTTTTTCGCA  
118621 TCCTGCTTCG TCAGGTTTAT ACCACTTTAT TTGGTGTGCT GTGTTAGTCA CCATGTCTGA  
118681 AACAGTGCCT CCCGCCCCCG CCGCTTCTGC TGCTCCTGAG AAACCTTTAG CTGGCAAGAA  
118741 GGCAAAGAAA CCTGCTAAGG CTGCAGCAGC CTCCAAGAAA AAACCCGCTG GCCCTTCCGT  
118801 GTCAGAGCTG ATCGTGCAGG CTGCTTCTCT CTCTAAGGAG CGTGGTGGTG TGTCGTTGGC  
118861 AGCTCTTAAA AAGGCGCTGG CGGCCGAGG CTACGACGTG GAGAAGAACA ACAGCCGCAT  
118921 TAAGCTGGGG ATTAAGAGCC TGGAAGCAA GGAACGTTG GTGCAGACAA AGGGTACCGG  
118981 AGCCTCGGGT TCCTTCAAGC TCAACAAGAA GGCGTCTCTC GTGGAACCA AGCCCGGCGC  
119041 CTCAAAGGTG GCTACAAAAA CTAAGGCAAC GGGTGCATCT AAAAAGCTCA AAAAGGCCAC  
119101 GGGGGCTAGC AAAAAGAGCG TCAAGACTCC GAAAAAGGCT AAAAAGCCTG CGGCAACAAG  
119161 GAAATCCTCC AAGAATCCAA AAAAACCCAA AACTGTAAAG CCCAAGAAAG TAGCTAAAAG  
119221 CCCTGCTAAA GCTAAGGCTG TAAAAACCAA GGCGGCCAAG GCTAGGGTGA CGAAGCCAAA  
119281 GACTGCCAAA CCCAAGAAAG CGGCACCCAA GAAAAAGTAA ATTCAGTTAG AAGTTTCTTC  
119341 TAGTAACCCA ACGGCTCTTT TAAGAGCCAC CTACGCATTT CAGGAAAAGA GCTGTAGTAC  
119401 ACAGATGAAA TCCCCAAGC AAATGCAACA CGCCCTCAAT TATATTAGAA TCACTTGGAG  
119461 AGTCGATAGA ACTTTAACAT AGCCTCATCT AGTAAGAATT TACTACTCAA TCTATCAAAG  
119521 ATAGCAAGGT GAATTCAAAT GCACCGAGTT AAAATCGAGT TTTAAAGTCA CCTGGGTTTC  
119581 GGTAGCCGGA AGTCCCGCGT CTCACGACTC CAAGCTAATT AGTCATAACC GTATTGAACC  
119641 AAGGTTGAAG CCCAGTCCCA GGCTTGAGGC TTTTATTAT ACAAGGTTAA AGTGGGGATA  
119701 TTGCGTTTTG GGGTCAATAT TGCTAAAGTA GCATTTTCCG AAATTGGGTG GTCCTAAGAA

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119761	ATGCTTCTGG	GATAGTTGGC	AAAATATATG	GCTTAACAC	GCCCTCTCCA	CAGGAGTGGC
119821	TAGCGAGCTG	TCTGTCCTTG	GGAAGGACGG	TGACCCTGCT	GGCGTGGCTG	GCGCCACGT
119881	TGGCGTCCTC	TGAAAGCCCC	GCCAGGTAGG	CCTAGCTCGC	TTGCTTTCTG	CAGCGCCATC
119941	ATGACAAAGC	TTTGAAACGC	AAAATGCTTT	CTTTGTGCAG	CGCCTTACCA	TGGGTGCAC
120001	TACGGGCTGT	CGACTTGTT	TAGGCCCTTG	TCAGGACAAA	GGAGCTTAGT	TTGTTGGAGT
120061	TTTAGAGCTG	CAACCCAAAA	TCCCTTGCTC	GGTTTCTCTG	TTTTTAGAAA	CGGAAGCGCC
120121	CTGATTGGAT	ATTTGAAAAT	TACTGTGCTT	AACTGGATCG	TGTTTCATCA	ATCGTGCAGG
120181	ATTTTCAACC	CTGGTGGAGC	CCACACATTC	AAAAGTGAAG	ATCCTTTTCT	CAGAACTGCC
120241	CCTTTAAGCT	TTTGCAATTT	TAATTCTGGG	GGTCAGATTT	TAATAATTGG	ACTTTTTTTGT
120301	TTACATCTGA	CAAGAGTATA	TGATGAGCCA	AGTTTACTCA	CTTTTACTTA	GTGCAGTTCT
120361	ATTCTAAAAAG	TTTATTTTTTG	CGTGTGTGCA	TATGAGTTAA	TAATCAGTTG	TATTTTTTCAA
120421	ACGGTCTTTT	TTCAATTGTT	TTGCTTAGCT	CCTTCCATCG	TCTAAAGTCA	GGGATACAGG
120481	CACATCACAT	CCCTGTTCCC	CCTTCCTCAA	ACTAATATGT	AGCTACCTAG	GTTTATCCTT
120541	TAAAAACAAA	ATTCTCACCT	ATTTTTGTGA	GAAATATACA	TGTTTTTCTT	TGAACTAAGT
120601	ATTTTACATA	CACCTATCTA	TATACATGCA	TACTTGTGGT	TTTGTTTTTTT	TAAAAAAAAA
120661	AAAAAAAAAA	CACGTTATCT	TTTGAGACTG	GGTCTCAGTC	TGTTGCCAG	ACTGGACTGC
120721	AGTGGCATAA	TCACAGCACA	CTGTAACTC	CAACTCCTGG	GCTCAGGCTA	TCCTGCAGCC
120781	TCAGCATCCG	GAGTAGCTGG	GATTGCATGC	ACGCACCACC	AAGCCGGGCT	TTTTGTTTTT
120841	ATTTTTTTGTG	GAGACAGTCA	CACCATGTTG	TCCAAGCTGG	TCTAGAAATG	GCCCTCAAGTG
120901	ATCATCGACC	TCCCAAAGTG	TTGGGATTAC	GGTCACTGTG	CCTGGCCTTG	TATGCATAAT
120961	TGTTTTGTCT	TTTGATTAGG	GTTATTAATT	TAAAAAACAA	AGCCTGGACG	CAGTGGCTCA
121021	CATCTGTAAT	CCCAGCACTT	TAGGAAGCCG	GATGGGCAGA	TTACTTGAGC	TCAGGAGTTC
121081	AAGACCAGCC	TGGGCAACAT	GGTGAAATCC	CATCTTGACA	AAAAATACAA	AAAATTAGCA
121141	AGGCCCAGTG	GCACGCACTT	ATAGTCCCAG	CTACTTGCGA	GGCTGGGGTG	GGAAGATGAC
121201	TGGAACCTGG	GAGGTAGAGG	CTGCAGTGAG	CAGAGATCGT	GCCACTGCAC	TCAAGCCTAG
121261	GTGACAGAAT	GAGACCCAGT	CTCAAAACAA	AAATAATAAA	AATTTTTTTAC	AACGATGTTA
121321	TATACACTTC	TGCATGTTGC	TTTTCTCTTA	ACCAAACCTT	TCTAAAACCC	TGTCATGAAA
121381	AAAGAAATCC	TTACATGGA	ATAGCATAAG	TTATTTCATCC	ATTTCTTATT	GATAAGCATT
121441	GATGTTTCCA	GTTACCACTG	CTGAACATGG	TGCAATTGAA	TAGAATTCCA	GGGCTGAGAT
121501	TGCTAGGTTT	TAGGTTGTAT	TTTATTATTT	TATTTATTTA	TTTATTTATT	TAGACAGAGT
121561	CTTACTCTGT	CACCCATGGT	GGAGTACAGT	GCCATGACCT	CAGTTGCAAC	CTTTGCCTCC
121621	TGAGTTCAAG	CGATTCTCAT	GCCTCCGGTC	TCCCAGTAG	CTGGGATTAC	AGGCACCTGC
121681	CACCAGGCC	GGCTAATTTT	TGTATTTTTA	GGAGAGATGG	GGTTTCACCA	TGTTGGCCAG
121741	ACTGGTCTCA	AACTCCTGGC	CTCAAGTAGT	CTGGCCACCT	CGGCCTCCCG	AAGTGTGCGG
121801	ATTACAGGTG	TGAGCCATGG	CTCCAGACCT	GGACTTTGTC	TTCTGTTTCA	TCAGTCTTTC
121861	TGTTGGTTCA	AGCACAGTAT	CACACTGAAG	ACTGATGATT	CTATATAAAT	ATGGTAAAGA
121921	CTGTACACCC	TAACTGTTCT	TATTTTTTTAA	TTTTAAGGCA	ATTTTAGATT	CCAGCTTTCC
121981	AAAGAATTGT	GGAATGCTTA	GAGCTAGAGA	AGCCTTGGA	GTCATTTAGT	TTTTGTTTTG
122041	TCAGAGAAAA	TTCTGTAGAG	ACTCTGTCTT	GCTCTCACTG	AATACCATCC	CATAGTACCC
122101	CCCAACAGCT	TTAAAGGGCA	ATAATACCTT	ATGGACAGTA	TGCTTTTCTT	CAAATATATT
122161	CTAAGCCATG	GTCAATGCAA	AAGAGTGAGA	AGGAAAGTAG	AATAAGTTAT	CTAAGAATCA
122221	GTGGGTGCTC	TCTTTAAACT	GATTTATCAC	TCCCCCTTCC	AAACTCTCTT	GAAGGTCACT
122281	CTGCCTCCCT	TTCTACATAA	GAACTCCTAA	CTCCAAGGGA	GGAAGGTAAG	TTATTCTTAT
122341	TCCTTGCTTA	GAAAAAGAGA	AAATAGGTTT	GGTAAGCATC	CGCTTTCTGC	TACCATTCTC
122401	TGTGTTTCTG	TGTTTTTTAT	AGGATCATTC	AATTATTGGT	TGGCTCTTGA	GAGGGAATGC
122461	AAGGTTCAAG	GACACAAGCC	TAGATCTTGC	CTGTATAGAA	CCTCATGATG	TTATGCTTCT
122521	CTAAAATGAG	GCCTGGAGGA	GACATGTTGA	AAGTGACCCA	TAAATCTGCA	GTATCTCATG
122581	TCTCTCAATG	GGGACAAGGA	GTACCATGGG	AAATAGCATT	AGGTCAATGA	CAGTAACAAC
122641	TCCCAGGTGA	GTTGATTTAT	TCTTTTATTT	ATAAAGTTGT	TAATATGCTA	CATAGTCCCT
122701	AATTTTGCCA	CAAAATAGTCA	TTATTTTAA	TTCATATTTT	ACTATTGATA	AATGAAGGAA
122761	AAAATGAGTA	GCAGTTAAGC	AGTCCATAAA	CCTACATAA	AAGCAAATTG	GAGATTTTAA
122821	AATTGATTCT	GGATGCTTAA	AATCCTTCTC	ATTGAAAAAA	AATTTCTGAT	TAGAAGATTT
122881	CAACATTCTT	TAAACTGAGA	AGCATAACAT	ATAAACAGAA	AACCACAGCA	AAACAAAAAT
122941	GCAAAGCTCA	ATAAATGAAC	ACAAAAGTGAA	CACCATAATA	ATTGCCACAC	AAGTAAAAAA

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123001 ACAGAAAATC AGCCAACCCT CCCAGAGCTG CCTGATGCTT GCTTCCAGTC ACATTATCAC  
123061 TCCATCTGCC CTAAACATAA CCCCTATTTT GATTTTCCAAT GCTGTAATTT AGTATGCCTG  
123121 TTTTTGAAAC ATATAAAATG GAAATAAAAC AAATGTAATC CTATGTACCT GACATATTTT  
123181 ACTCCAGAAC ATTAGGTTTG AATAGATTCA TCTGTGTTGC TGTGTATAAC TTTAATTCAT  
123241 TTTTATTGTT ATGTAATATT CCATGTTATG AGTGCAACAA TTTAGGTGTC TACTGTTGAT  
123301 GCATATTTGC TTCCCTTTTT CAGCTAATAT AAACAATACC GTGAATATTC CTGTGTATGT  
123361 GTCTTGGTAT ATATAGGAAT ACATATTTTG TTTGTATACC TAGGAGAGGA ATTGTTGGGT  
123421 CAAATGCTAA ACTCTTTTTG AAAGTGGTGA TATTAGGTTT ACATGCGATG AAATGAAAAT  
123481 TAAAACCACA GTTATAAACA GCATGGATGA ACCTCACAAA CCTAATGTTG ATGGAATCTA  
123541 GCTGGGAATT CCTGTTCTTC CATATACTTC CCAATATTTT TTTCCAATTA AAATTGTTAA  
123601 TCTTTTGAAG ATGTTATCCA TTGTGGCAGA TGTGCAGTAT TATCTCATTG TGGTTTTATT  
123661 TTACATCTTT TGCCCATTTT TTCTTAATTG GATTGTATAT CAGTCGACTT GGGCTGCCAT  
123721 AACAAAATA CTAGACTAGG TAGCTTGAAC AAAAGGAATT TATTACCTCA CAGTTCTAAA  
123781 GGCCAGGCCA GAAATCCTAA ATTGAGGTGC CAAGAGATTC AGTTTCTAGT GAGGGCTCTC  
123841 TTATTGACCT GAAGATAGTT GCTGCTTAG ATTGTTTGGT GCTGAACAGA ATACCAGAGA  
123901 CCAAATAATT TATAAAGAAT ACAGATTTAT TTCTTACAAT TCTGGTGGCT ATAAAGCCTA  
123961 TGGTCGAGGG GCCCACCTCT GGCAAGGGCC TTCTTACTGT TATGGCAGAT GTGAGATGTC  
124021 ATCTCATATT CAAACCACAG CAGTCGCCTT TTGTGTCCTC ATGTGGCCTC TTCATATGCC  
124081 CATAAAATGA CCTCATGTCT CTTCCTTTTT TTATAAGGAC ACCAGATCTA TCAGACTACT  
124141 GGCCTACTCT TATGACCTCA TTTAACCTTA AATATCTCCA TAAAGTCCCA AAATCCCTAT  
124201 CTCCAAATAT AGGCACATTG GGTGTTAGAG TTTCAACATC AATTTTGGGG GAACACAATT  
124261 TAGGCCAAAA AGATTGTGTT TTTTCTTGTT GGTTTAAGAT AGCTGTCTTT TTGTCCTTTT  
124321 TGTCCTTTCT TTTTTTTTGA GGTGGACTCT TGCTGTGTCA CCCGGGTTGG AGTGCAGTGG  
124381 CGCTGTCTCA GCTCACTGCA ACCTCCACCT CCTGGGTTCA AGAAATTCCT CTCCTCCCAA  
124441 GTAGCTGGGA CTACAGGTGC ATACCACCGC GCCCTGCTAA TTTTGTATT TTTGTAGAG  
124501 ACGGGGTTTC ACCATGTTGC CAGGGCTGGT CTCAAACTCC TGACCTCAGG TGATCCACCT  
124561 GCCTCGGCCT CCCAAAATGC TGAGATTACA GGTGTGAGCC ACCAAACCTG GCCTGTCTTT  
124621 TCTGTTTAA GTTTTAAAT TTTGCTCACG AACCTTTTAT CCATTTTATG TGTGTCAGGT  
124681 ATTTCCCTCG TAACCTGTCT TCACTCTGTC AGAGGCTGGA GTGCAGTGGC ACAATCACAG  
124741 CTCACCTGAG CCTCCACCTC CCAGGATCAA GCGATCCTCC CATCTTATCC TCCTTAGTAG  
124801 GTGGGACTAC ATGTGCAGGC CACCATGCCC AGCTAATCTT TGTATTTTTT TGTAGAGATG  
124861 GTGCTGTTGC CCAAGTTGGT CTCAAACTCC TGAGCTCAAG CAATCCATCA ACCTTGGCCT  
124921 CCCAAAGTGT TGGGACTAGA GGTGTGAGCC ACCACTGCAC CCAGCCAATG ATATCTCATG  
124981 ATGCATTAAA GTCATTAAAT TAGTGTACTC AAATTAAGCA CACTGCCCTT TTATGCACAA  
125041 CCTTTTTTGT ATCTTATTTA AAAATCATT TTCTATTTCA AGGTCATGAA GATCTTATTT  
125101 TATAATACCT TCTTGTGAAA TTAGTTCTCA AGACTACCCT CACTTCTAAC ACCAATTATA  
125161 AGTTGGGAGG TCTGTGGTTC CCAATCAACC TTAGGTTAGT AATTTGCTAA AAGGACTCAC  
125221 AGAACTTGCT GAAGCTGTTA GCCTCATGGT TACAATTTAT TATAGGATAT ATAGCTTATT  
125281 ATGTCATTCC AATGCAATGT AAAATTATAC AACTACTTTT AAAAGATTT TAGCATTGTA  
125341 CCCAACAAAT TCACTCTGAG GTATACAAAC AGCAGATATG TGTGCACATA TATACCAAGA  
125401 CACATACACA GCAAAATTCA TTGTTTGTA TAGTTGAAAA GGGGAAACAA CTCAGGAAT  
125461 AAAGATTAAA ATCAGCTGAG AAAAGAAACA CACAAGGCAG TATTATGGAT CGAATTGTAT  
125521 GCAGATCTCC CTGCCCCCA GAAGATATGT TTAAAGTCCC AACTCCCAGT ACCTCAGAAT  
125581 TGTGGCCTTA TTTGGAAATA GGATAGTTGC AGATATAATT AGTTAAGATG AGGTTATAGT  
125641 ACAGTATGAT GGGCTGGTGA CTTAGAAGAA GTAGTATATA TATATTTTTT AATAGAACTA  
125701 GTATTCTTCT AAGGTGGTCA CGTGAAGACA GACACACACA GGCAGAGACT GCGGTTATGC  
125761 AGCTGCAGGT CAAGGAATGT CAAAGGTTGC CAGCAAGTAC GAGAAGCTAG GAAGAGTCAA  
125821 GGAAGGATTT TCCTACAGGC TTCAGTGGAA GCATAGATCT AATGATACCT TCATGTCAGA  
125881 TTTCTAGCTT CCAGAACTAC AAGAGAATAT ATTTGTTGTT TTAAGCCACC CTAGCTTCTA  
125941 GCTCTTTGTT ACAGCAGCCC TAGGAACTA ATATAGGCAC AATCCAGGCA AGTTCCAAAT  
126001 ATGAGCTTCC AGTTGTCTTC TCCAGTAAT ATGAACAGTA TTAATTTCCC AGCATTAATG  
126061 TGTGACAATA CACATGACGT ACAGAGCAGT CCCCCTTAT GCACAAAACA TATGTTCCAG  
126121 GACCTCCAGT GGATGTCTGA AACCATGGAT AGTACTGAAC TCTATATAGC TGTTTTTTCC  
126181 TATACAGACA CAGCTATGAT AAGGCTTAAT TTATAAATTA GGCACAGTAA GAGATTAATA

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126241 ACAATAAATT AGAATAATTG TTAAGAATAT ACTGTATAAA AGTTAGGTGA ATGTTTATTT  
126301 CTGAAATTTA CCGTTTATTA TTTTGGGACT GCAGTAGACC ACAGGAAC TAACCATGTA  
126361 GAAACCGTAT ACAAGAGAAC TGTATTTTAC CCGAGCCTCA GTGTGCAGTT TTAATGGCCT  
126421 GCCATGGTTG ACTGCTCACA TGGCCGATCT TTTAGTCTAC CTCCACAGGT AGAGCTGATA  
126481 CTGTGTGGCT CAAAGTTCCT ATTATAAATC ACATTGTTGA CTGTGTGGTG GTCAAAACCT  
126541 CCAGGTAAAC AAAGACACAC TTATCAGTGA GAACATTTCA AGGGTCTAAA ATTCATCTCC  
126601 CAGTAGCTGA GGGCAAAGGC TAGACCTCTT TTTGGGTAAG ATAAATTTTT TACCATATAC  
126661 TTTATTTTGC TTTTCATGTT TAACTTTATT TTGCTTTTCA TGTTAGTTCC CCTGGAATTG  
126721 TTTTTTGTGT ATAGTGTGAA GTAGGGGGTC AAGTTTCTTT TTTTTCCTT TTTGTTCTTT  
126781 TTCTGTTTAA AAGGCTATAC AATTGTCCCA TGCCATTTAT TTACAAGAGT CCTTTCACCA  
126841 TTGTTGTATG GTGCCACTTT AGATGTAAAT CAATGTCCAT ATTTGTTTGA GCCTGTTCCA  
126901 TTCGTTTGTG TATTTTGTGA CAACACTGCC CTGATTATTG TCATTTTATC AGTTTTGATA  
126961 TTTAATAAAG CAACAGATTT GTTTATTTTG GGCCCTTGGA TTTGTGTATT AAATTTGAAC  
127021 CCTGTTTGTG AATTTCTATA ATAAAGCTTA TTGGGAATCT GATTAGGATT ACAATGGTTT  
127081 TGTAGATCAG TTTGGGGACA ATTAATACCT TTAATAATATT GACCGCTTCA ACTGTAAATA  
127141 TACTCCTCCA TTATTTAGTT TTCTGTTTA ATTTATCTGA GTAATACATT ATAGTTTTCT  
127201 TCGTAGAAGT CAGATACGTA GAAAATTC AAAGCAAGTG CAATAGCTCA TGTCTGTAAT  
127261 ACCAGCACTT TGGGAGGCCG ATGTGGGTGG ATCACCTGAG GTCAGGAGTT TGAGACCAGA  
127321 CTGGCCAACA TGGTGAAACC TCATCTCTAG TAAAAATACA AAAATTAGCT GGGTGTGGTG  
127381 GCGGGCACCT GTAATCCCAG CTAATCAGGA GACTGAGGCA GGAGAATCGC TTGAACCCAG  
127441 GAGGCAGAGG TTGCAGTGAG CCAAGTTTCTT GTCACCTGCAC CCCACCCTGG GCGACAGAGC  
127501 GAGACTTCGT CTCAAAAAAA CAAAAAAAAG AACATTCAAA TAATCAATGT AGATAATTCA  
127561 AATAACTAAA AAATGAACAG TTATTAAAAAT ATCAGGATAT AAAAGCAAAA AAATCAATAA  
127621 CCTCCATATA TACAAAATGG CCAGTTAGAG AAAAAAAAAA GAATAGGCGA GACTTAAAAA  
127681 GGCTGGGAAT CTCCCTGAAA ATCTTTGAGA GCCTTGGCCC TGCCCTCAGG GATTTCTCTG  
127741 GCTTCATGCC CAGATATGGG TACAGTTCCT TGTTTAAAAA AATTTTGCTC CATCAATCAA  
127801 CAAGGGGCTC CTTCCCTCAGA GCACAAGGAC CCCCATAACA CCGGACACTA CATGAGCTAAG  
127861 GGACACCTCT TAAGGAAGTT AGACTTCCAA AGAATGGTGT TTCCTCTGTC CCCAAACTCT  
127921 GGAACTCACA GCACAACCTGC TCCTTGAGGT TCGGTTTCAA ATCTACAAGG CTGTCATGGA  
127981 GGTTCAGAC CAAGTCCGTG GCCTCAGTGT CCGGATGTAC GGTGGCCTTG GCACCTGAAT  
128041 GTGAGAACAT GACCTCCCTG AAACCACCAC AAGTATTGTT TCATGTTATG TATGTTTTTT  
128101 CTTATCTGAA ATTCTTTTTC TTTAAAAAAT CAAATTACAT ATTTTTCAG CCCCTGAACA  
128161 AGCTTCATGA GCATTTATTG AACCCACAGC TTTTAAAACC TACTGAACAC TTTGCTCTAT  
128221 GTTGTCATTC ACTATCCACC AATTATTTAA TTATTGATCA ATATTGTTTC CTTAGTGTTG  
128281 GGATCATTTA TGCATGTATT TCTTTTATAT TGCATATTTT ATATTCTGTC ATTACAGTTA  
128341 TTACATATTA CTTTTGCTAC AGTAATAGTT CAGAAGTGTA CATCCAAAAT TTAGCTGTGA  
128401 AGTGGATGGA CTGAGGCAGA ACTGGAGGCA AGAAAATGTC ACAGTAATTC TAAAAAGAT  
128461 GATGTACAAT TAGAGCAAGA GAGTAGCACT GAAATTGAAG AAAAATAGAT GCGTTTGAGA  
128521 GAAAATTAGG AGGTAGAATC AACAGATTAG ATGTAGGGAT GAGAAGGGTC AAAGATGACA  
128581 CTAGGGTTTT TAAGTGGAGC AAGTAGGTAG ACAGAACATT TCTTCTGAA AGGGCAGGTC  
128641 AGATCATGTG TTGTCTCAA GGGCATGAAG AGTAGAAAGC CTGGGACAGA TCCTGAGATG  
128701 ACCAATACCC ATGGTGCAGG GAGAGGGAGG GAGATCTGCT AAAAAGACTG CAAATGTCAG  
128761 GATAGTAGAA AATCATGAGT GTGTGATGTC CTGGAAGTTG AGACAGTATC ACATTTGAGA  
128821 ACATTTAAAT TGGTAACCTC GACAAAACCT GGAGGCCAAC TGTGAATGCC CATGAGAGTG  
128881 AGAAGCTCCC ACACCTTTGT GGGCATCAGA AAGCCCACCA GGTTCCTGCA GTGAAGATCT  
128941 GAGAAGGATC CTCTTGTGGC TTTGGCAGGG AGAGAAGAAT TATTATGAAA TACACCCAG  
129001 AACCTTCTTC AAAACAAAGG CTTACTCTCA AGGGGAAAAC ATTTTGCCAG AGTCTTATCC  
129061 CAGCTGGGAG AAGGTAATTC TTCCCACCTG AGCCTCATCT AGGCTTTCTG TCTCACTTAA  
129121 GGGAAGAAAA TTAGTCAACA GGGATCAGAG CTTTATGAAA ATAAATTGGA AATGGTGCAG  
129181 CCAGGAAAGG AGCAAAGGTC TGAGGAGGAG GAGAAGGAGG AAGAGGAGTT GTATCATTAT  
129241 AAATACTTGA GGAAGAGGAG GAGAAGGAGG AGGAGGAGGA GTTGTATCAT TATAACACT  
129301 TGAGGAAGAG GAGGAGGAGA AGGAGGAGGA GGAGTTGTAT CATTATAAAC ACTTGAGGAA  
129361 GAGGAGGAGG AGAAGGAGGA GGAGGAGGAG TTGTATCATT ATAAACACTT GTGACGGTCC  
129421 CAGCCCCAAG ATATAGGCAT GCTAATAAAC TGAGGCTTAA CACTTTGACT ACAGAATGCT

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GCTTCTCCCT AACACCATCA AGGCTCCAAC TGAATAACAA TGAATTATGA ATGAAAGAGC  
TGTAAGGAGA GACAAAAGTT AGAATGAGAC AAGTATTGTT ATCTAGAGAT GCCAAGAAGG  
CAAGGAAGAT AACTAAAAAG GCACTCTGGA TTTAGAAATA GGAAGTCATT AGTGACCTTG  
TAAATAATGG AGCCAGAGGA ATACCAAGGG CAGAAGCCTC ACTATAGTGT GTTGACCTTG  
TCAGAGGTCA GGAGGTGTAA CTGACTCTCC CACAGTGTGG CTTTGGAGA GAGAAGTCAG  
CAGCTGCATG GAGATTGGG AGAGGGAAAG CTTTTTTTTT TTTTTTTTAA TTGAAAAAGA  
CTGAGCTATG TGTAAATAGA ATAAGACAGG AAGAGTGTAG ACACAGGAAA GAGGCAGAC  
AAAAACAAGT GCACAGTTAT CTAAGGGAAA CAATGGGATC AAGCTGCAAG TATATAAACT  
TGTCTTGATA GAAGAATCCT TGATCTGGTT TATTCAAGTGT TTGGTCCAAA CCCACATCCC  
130021 GTTCTGCCT GTCTCTGACT TGCTCTGTGC CCCAGAAGCC CAGCTTCTAC AGATAGCATT  
130081 AGCTGGGCAG CCCTGCCCTC TTGCAACAGC TGGATTGGC CAGTGATCAG CCCAGCAGGA  
130141 ATGTAGATGG CAAAGGAGAG AGAGGTTAGT GTACTTATTC CCTGCATCAC CCCCCTGCTT  
130201 GGTGGGCAGC TCTTCTCCA CAGTCCCAGC TCTGGCCTAG CTCTGGTTAC AGGTTCCCTC  
130261 CCATTGCCTC TTCAGATTTA AAGGTGTGTC TGTCAGGGTA TAACTGGGAG CTAGAAATTG  
130321 CACTGAAATT GAACAAAGAA TTTTATGGGA ATGGTTGTTA ACTAGTTATA AGAGGACTGA  
130381 AAATGAAAA GTGGAACAAA CGTATCAGAG ATAGTAATGA CAGAAAGCAA CTACCACCTC  
130441 CAGGTTTAGG AGAACAAGGA AAAGATTCTT TGAAGAGATC CCCAGAAGCTG GGACCTCTGA  
130501 GGAGTGTATG CTGGACCACT GATGATGATA TGTCTGTAGA TAGAGGCATG ATGAGGCTGA  
130561 TTTTAGGAGC ATGGAAGATC TCCAAACTGA AGCCAAGTGC TGTACTGGA TTCAACTGCC  
130621 ACTGCCAGGT TGAAGAAGCC ATTCTGTGAG GATGTCAACA AACAAAGTGG GAAATCTTTT  
130681 CACATCCTTC CAGCCCTCTA GTCTTCTCC AGTGCTTTCT ATTGGTAGGG TTTGGGGAGG  
130741 TGGCTAGCAA AGCGGTATTG GAAAAGATAG AAGAGACTAA ATCTTCATAA CCAGCACAGG  
130801 GTGACACTGG ATCACTACTG TTGCTGATCT TGGGCTGCCT CATATCCCCT GTTCTTCCCA  
130861 TTAGCCCTGT CACAACTTTG TAGATATCCC TTCATTATAT GCCCTTCATA TATTCTTTTG  
130921 GTTAACTTT TTCTGTTGGA ATCCTAATAT GGCACCTCTC CATTTTTAGG ACCAAAAAGA  
130981 GTATAAAAGA TTATCTTTTA CCAAAAAAAC GACAAAAAAC TGATCTAATT CCTGATTTGA  
131041 TCATTACACA ATCTATACAT GTATCAAAAT ATCACATAGT ACCCCATAAA TATATACAAC  
131101 TGTGTCCATT AAAAAATAAA ATTAAGAAA AGATGGTAAA TATAGCTCTG TCAGGCAGTG  
131161 GAGGTTTAC CACGATGGCT GTTATTTCCC CCATGAAGGG GGGAGTGAGG GAGCAGCTGA  
131221 AAGTAGGTGC TTATAGGGGT ATAGAGGGGC TCAAAGCTTT GAGAGAGGAG AATGTCTGAA  
131281 AGAGCTGCCA AATAGCATGC AGGTCCCATG GGGGCAGAGC CTCTGCTCAT TCACCAAGTGC  
131341 CTCTTCAATA TCTACACTTA AGCCTAACAC AAAGTGTGTG CTTAATAAGT ATTTGCTGAG  
131401 TATGTAAAGT GGAAACAGAA CCAATCTGGC AAACCTTTGTA GGACTGGTGG GCAATGAAGA  
131461 TCAGTCAGGT AAAATCTGTG GATATAAATT TATATTGATC AAAAAATTCA AGGTTAGGTG  
131521 TTTTCTTCA GTCATGCTCA ACGATGCTTC AGCCATGCTC AACTCTTCTG TAGCCACAGA  
131581 AAAAAGTTTA CCCATAATCG AGCTGTGTCT GTGTCTGAAT AATGAAAAGA CCATGATGCA  
131641 AGGGAGTTGG AGACACAGAA ACAGTGTGTTG AAGTAATGGG TAATGGAAGC ATGCTACCAG  
131701 GGAAAGGAAA GAAGTGCAA TAGGAAGGAA CAGAGATCTG TGGTCCTATG TCCCCTGAGC  
131761 ATATTCACAT GTTAAAGCTA ATTCAGTTTT CAATCATCAT TAAATTTTG TTCTTAAATA  
131821 TATGGCCATT ATTTTCCACA ACCACACTAA AACTTTATTA CCTCTGGCAA GTGACTATGC  
131881 AAGTAACATA GAGCAAAAAT ATCCACAAC ACCATTGAG CTATCAATTT AGGGAAGTGC  
131941 ATCTGGCTAT AATCTAAGTG ACCCTCCACT GAATGTCAGT ATCTTTGCAT ATGTGATTTA  
132001 AATCTGGGCC TTCGCAACAC CATGAACTGT TCTTGCTTTG AATATCCAGA TTGAAGGAAA  
132061 TAATCTGAGT AGTTACGAGT CCTGAAGCTA GAAAGATGGA AACCCCATTT GCTCATCAGA  
132121 AAGCCTTAGA GCTTGGGCGC TGGCGGGTCC TGTCTCACC GACAGAGGG GCTCTTTCCT  
132181 CCCCATCTGA TAGTCTGATA ACTAGAGAAG CCGGCCAACT TATTCTCCAA GAAGGAGCCA  
132241 TCTTAGTTCC TCCTGAAATG TTCATATTTA GAAATTATTG TTTGTCAGTA ATTTAACCCC  
132301 TTAATGGGCT TGCCTTGTGG TCCATACCAC TGAGTGCAGA GCTTGCTTGG AAGAATTGTG  
132361 AGGGCCATTC CATCTTCCAG GCAGTAGAGT TCAGTACTTC TTTAAATTTG CTGCTGAAC  
132421 CTGTATTTGA AAAGAAAGAA TCATTTGGGT GTGGTAGCTC ACACCTGTAA TCCTAGCGCT  
132481 TTGGGAGGCT GAGGTGGGAG GATCATTTGA TGCCAGGAGG ACCACTTGAG ACCACCTTGG  
132541 GTAACATAGC AAGACCCTGT CTTTAGAAAA AAAAAATACA ATAAAAATAA TACAATAAAA  
132601 ATAAAAGCAA AAAGAAAGAG TCCATCTTAG GGACAGACTG TAACTACTCA CTGGAGCTTA  
132661 CCTTTACATA GTTCAGGATC AATTATAATA AAACACTTTT GTGCAGATTC AATAGGATTA

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132721 TTTTAATCCC CATCATCTCT CTGAGTTTCC AGTCAGTTTC TCTGCATGTA GACACCCCTTC  
132781 TCCAGCCCAC CATTGTCTCT CCTCCTATAG CTCCACCAAC AAATCAGAAC TTTTCTAACC  
132841 TGCACCTAGT GCACCTAGAG TCTACTCCAG AATGCTCATG GAGAAAAGTTT CTGAAAGGTA  
132901 AAACCTCTGAA TGATATTTGT AGCTAAAGGG AGACTTGCTA GAGACAATAA GCTAATAGTT  
132961 GTAGACTTCA GTAGAAGAGG AATGACACTG CAATGTCAGG GTGCAGGACT TCAAGAGGGC  
133021 AGAGTATGGA AACCCAAATGG GAAAAATGCT CACCAGGAAC ATGAAGAGAA GGAATTACGT  
133081 GTAAGGATTT CTCAATGTGT TCCCAAATTT GCCCAGCAGA GGGAGGCCCTC GGGTTGATGG  
133141 CAGGCTGACC ACACAATTAA AGAAGGCTGA ACCTGGGGGC TTTTAACAAC CATCGTGGGC  
133201 TCTACTGTAA GCATTTAGAA AAAGAAAGTT ATCCATTCAA AAATATATAT ATTTTAAAC  
133261 TTCAGAACAA AATTATGAAG AGCTATATTT ACTTTTCTAC ATTCTAATTT TTATAAATCT  
133321 GAGTATATTT TGCATATATT GTTATAGTAC ATATTCAATT TTGTATTTTG CTGTTTTTAC  
133381 TTAACCATTT TTACTAGATT ACTCTGTGTT CATAATAATC ACTTTTTTAA AACTTTTTATT  
133441 TTTATTTATT TATTTTTTTT TTGAGTCAGA GTCACACTCT GTCGCCCAGG CTGGAGTGCA  
133501 GTGGCGTGAT CTTGGCTTAC TGCAACTTCC ACCTCCTGGA TTCAAGCAGT TCTCCTGCCT  
133561 TAGCCTCCTG AGCAGCTGGG ATTACAGGTG TGCACCACCA AGCCCGGCTA ATTTTTGTAT  
133621 TTTTAGTAAA GACGGGGTTT CACCATGTTG GTCAGGCTGG TCTCCAACCTC CTGACCTCAT  
133681 GATCTGCCCC CTTGGCCTC CCAAAGTGCT GGGATAATCA CTTTTTATGC TGCATAATTC  
133741 TTCAGATTTG TCAGTACGAC TGTATTTACA CTCATTTGTT TTATTAGAAA GAATTCCAGA  
133801 ATATTTTGGC TGCCCTAATT AATTTTACAA TTAATATGAT TTTGAAATTG GGTATTGGCT  
133861 CCTTCTGAAT TGGTTTATTA AAATATATTC TAATGTAATT TATGACATTT TCATCATATT  
133921 AGCATATTTA TTCTGTTAGA ATTTTATAAT TTATAAAGCT ACAAACGTGA TGTGATATAG  
133981 CTTGTAACCT TATCTCATAA CTTTATGCAG TTACAAGTAG AAATAAAATG TTCCCTCAA  
134041 GATTGCTTAA AATTTTATTA TAAACAAGTG TAAAAACAA AATCACTAAA AACTCCCTC  
134101 TTTTTTCCCC CAAAATGCAT GTTTCCATTT TAACAGAACC CGTATTTAAT CAGCAGATTT  
134161 CTATGGTGGC TAGATTTGTA GACTAAATAT TAAAAGTCCC AAAGCAAATG CATTTTTCTC  
134221 TTAAATTTTA CTGACTTTTT TTTTCTGAGA TTTTCTGAGA CGGAGTCTTG CTCTGTCGCC  
134281 CAGGCTGGAA TGCAGTGGCA CAATCTCGGC TCACTGCAAC CTCCGCTCC CGGATTCACG  
134341 CCATTCTCCT GCCTCAACCT CCCGAGTAGC TGGGACCACA GGCGCCCGCC ACCACGCCCA  
134401 GCTAATTTT TGTATTTTTA GTAGAGACAG GGTTCACCG GTTAGCCGG GATGGTCTCG  
134461 ATCTCCTGAC CTCATGATCT GCCACCTCA GCCTCCCAA GTGCTAGGAT CACAGGCATG  
134521 AGCCACCGCG CCCCCTCTAC TGACTTTTAT CCAAAGAAAA TATAAGAGCT CTTTCATCATA  
134581 ACGTATGTTT CTTGCTCTTG TTATTAAATA TGACACATTT AGACTTAAAC TGATTTGAAG  
134641 GTTTATGACA TTGTTTAAAG TATTACATAA TTAATTCATA AAGATAATGA CTAGTTTGAA  
134701 CTACTGACAG CTCACACATC ATCAGTTGAA CAGCAGAAAG CTTATTAAGC TACTTTCTTA  
134761 TGTTTCTGTC TCCCAGCTAC TAAAAGAAAC GAAACCTTC CAGGTGTTAA GGCAAACTT  
134821 TCCTCCCCCT TTCTTCTATA AATCTGATTC CATGTTAGTG AAATTTCTAC TGATGGCTTT  
134881 GGTTCCTCT ATAGTAGAAT AGAGATCCTA TGGCAAAAGT CATGTCTGAC ATGGTAGCAA  
134941 ATAGAAATGG GGAAAAGGAA GGTCTGCAAG AGCCAATGTG GGAAATGGGG AGAGGACTGA  
135001 CTACAAAAAC CCAGCAGGAA TTCCAGAAGA AAACCTCTCA GGACGGGCAC ATTGGCTCAT  
135061 GCCTGTAATC CCAGTACTTT GGGAGGCCGA GGTGGGCAGA TCACTTGAGT CCAGGAGTTT  
135121 GAGACCAGCC TGGTCAACAT GGCGAAACCT CATCTCTACA AAAAATAAAA AAATTTGTCA  
135181 GCGTGGTGG CATGCACCTG TAGTCCCAGC TACTCAAGAG ACTTAAGTGG GAGAATCACT  
135241 CGAGCCTTGG AGGTGGAGGT TGGTGAGCCG AGATCACGCC ACTGCATTCC AGCCTGGGCG  
135301 ACAAAGTGAG ACGCCATCTC AATCAATCAG TCTCCTCGAA AAGCAACATT ATGGAGAGAC  
135361 AGGATTCGGT CAAGGCCTGG GGCACACAGG AAAATATTAA GGCAGAAGAG AGTTTCTCTC  
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135481 AAGAATTTAG AGTCACAGAG GAGGAGGCAC CAAGCAGACT GTGGAGAAAG TCATGACCAG  
135541 AAAGGGACAG AATGTAAAGC TTCAGCTGAT TATCTGGCCT CAGGGATTCC AGAGGAACTG  
135601 GTCCCAATGG TCTCCTGGTG ATGTAGGTTT TTAGGTTTCT TTTACAGGGG TTTTCTGGGA  
135661 GATCGTTGAC CCAGTTAGCA TTCAAGCAAC TTCCACCCTG CACTTTTATT CTTTCCCTT  
135721 CACCTGCTTA GGTTTTATCT GTCCAGGCAA TAATAATAAA ATTATTGAGC CCTGGACATG  
135781 TACCTGTAAA GCTCCTTAAA GATGATGCCT TCTAACTCCT CATTCACAG ATACAAAAAC  
135841 ATTACAATAA AATGACTCAT GCAAGACACC CAGGTAGTTT ATAGCAGCTA ATAAAAACAG  
135901 AATAACTATA AAATATGGTA AGTTTATAAA AGTTACATTG AGTATACTTT ATAAGAAGCTG

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135961 CTTATTGAGT TTGCCTAATA ACCACACAGC ACAATAATAA TATGTATATA TTTTAAATA  
136021 TGTGTAATA TGTGTAACAC AAACCTGTAG AAGGTATATC TGAGTACAAC CCTATTCTGT  
136081 TTGGTTACCT TTTCTAGTTC ATTATGTAAG TGGCATAGCT ACCTAAGGAC TTATGCTTAT  
136141 AAATGTTACT CAAAAAATA CAGAGGACAT ATGTGGATAG ATAATGGAAG AGATAAGATA  
136201 GGTAGGTTGA AGGGTTGGGC TGCCCTCCA CACCTGTGGG TGTTTCTCGT TAGGTGGAAT  
136261 GAGAGACTTG GAAAAGAAAAG AGACACAGAG ACAAAGTATA GAGAAAGAAA AAAAGGGGTC  
136321 CAGGGGACCG GTGTTACAGCA TACGGAGGAT CCCACCGGCC TCTGAGTTCC CTTAGTATTT  
136381 ATTGATCATT ATTGGGTGTT TCTCGGAGAG GGGGATGTGG CAGGGTCAAA GGATAATAGT  
136441 GGAGAGAAGG TCAGCAGGTA AACACGTGAA CAAAGGTCTC TGCATCATAA ACAAGGTAAA  
136501 GAATTAAGTG CTGTGCTTTA GATATGCATA CACATAAACA TCTCAATGAC TTGAAGAGCA  
136561 GTATTGCTGC CAGCATGTCC CACCTCCAGC CCTAAGGCAG TTTTCCCTTA TCTCAGTAGA  
136621 TGGAATATA AATCGGGTTT TACACTGAGA CATTCCATTG CCCAGGGACG AGCAGGAGAC  
136681 TCGAGCCTTC CTCTTGTCTC AACTGCAAAG AGGCGTTCTT TCCTCTTTTA CTAATCCTCC  
136741 TCAGCACAGA CCCTTTACGG GTGTGGGCTT GGGGGACGGT CAGGTCTTTC CCTTCCCACG  
136801 AGGCCACATT TCAGACTATC ACATGGGGAG AAACCTTGGA CAATACCTGG CTTTCCCTAGG  
136861 CAGAGGTCCC TGTGGCCTTC CTCAGTGTTC TGTGTCCCTG AGTACTTGAG ATTAGGGAGT  
136921 GGAGATGACT CTTAACGAGC ATGCTGCCTT CAAGCATTTT TTTAACAAAG CACATCTTGC  
136981 ACAGCCCTTA ATCCATTTAA CCCTGAGTTG ACACAGCATA TGTCTCAGGG AGCACAGGGT  
137041 TGGGGCTAGG GTTAGATTAA CAGCATCTCA AGGCAGAAGA ATTTTCTCTTA GTACAGAACA  
137101 AAATGGAGTC TCCTATGTCT ACTTCTTTCT ACACAGACAC AGTAACAATG TGATCTCTCT  
137161 CTCTTTTCCC CACAGGAGGT GATGGCCGGA AGAATATGGC AGAGGGCAAA ACAAACAGC  
137221 ATTGGGAACA AGCTCTGTTT AAAAGGAGAC TTGTGAACAG CAAAGAGTAG AAAGGGTTCT  
137281 CTTACAACTG AAGCCCATGG AAGACAAATG TGTACTGCGT GAGTTTTAAG GCAATAGGAG  
137341 TAGTGGGACC TAGGGCACAC CAGAGAGCAT ATTAACCTC AAACTTTTAA AACATTATA  
137401 TCTGCTGGAC ACAGTGGCTC ACACCTTAAT CCTACAACCT TGGGAGGCCG AGCGGGGCGG  
137461 GTGTAGCTTG AGCCCAGGAG TTCGAGACCA ACCTGGGCAA CATGGCAAAA TCCCGTCCCT  
137521 ACAAACAAA CAAACAAAAA ACAAATTAG CCAGGCACGG TGATGCGTAC CTGTGGTCCC  
137581 AGCTACTCAG AGGCTGAGGT GGGAGGATCG CTTGAGCCCC GGGAGGTTAA GGCTGCAGTG  
137641 AGCCATGATA ATGCCACTGC ATCTCAGCCT GGGCAACAGA GGGAGAACCT GTCTCAAAAC  
137701 AAAAAACAAA ACACACCATA CCCAACACA ATGCATCTGT CTTAAGTACC AGTACCACAC  
137761 CCTCTACTC ACTACTAAAT AGGTGAGTTC CCAATCCCTG GTAGCAGGTT TAAGCATGTT  
137821 ATATTAAAGG TCTTAGGCTA GTGACTCATT CACTCATTAA ACAAATACTT ATTGTGCATC  
137881 TACTATAAAC TAAGTACTGT GCTAGGTACA AAAGCAAATA ATCTAAGCTC TATAAACTTT  
137941 ACTTTCTTCA TCAACAAAAT GGAGATGTTT TAGGCATCTA CTCATCATTC TGAGCTCCAT  
138001 CTTTTGTGAC TGTAAGTTGGC AGAGCTTTTT ATCAGTTTTCT CTAAATAGCT CTACCAGTCC  
138061 CTGGTGGATG CTGGCATGCC CAAAGGATCC ATCCTGATGG CCCTGTCTGC TTACCTTACC  
138121 TGCTGCCTT TGACGACCG CTCTGCTCTT CTGCAGGACT TCCCTTATCC TTTGGGGTCT  
138181 TGCTGCTCTT AGGCTGCTCT GCTTGTCTTG ATCTGCTTTG CATCACATGT ATGTAAAGGT  
138241 CCTTTCCTTA TTTACCCATG ACCAAGGTAT TATGAGATTC TGGAATTTCC CCAAACCACA  
138301 TTGATTGCTG GGAGAATAGA AGAAGTGAT TACAAGTGA ACTTAGAAGG GGAGTATTCG  
138361 AGAAGACGTC TCTGCAAATC CATTTAGAGA GACCTTCTC CAGTGGTGAC TCAAAGATGC  
138421 AGCTCCTTTC ATCTGTGGC TTGGCCATCT TCAGCACATG GCTCCCAAGG ATGTCCTCAG  
138481 GATGGTCTCT AATCCAAGGA GCCTGAAGAG AAAAAAAGGC ATGGAGTATT GTGAGTGGTA  
138541 GGTGGTTATG GACCAGTTAT GGAAGAATAC ACATCACTTT TGCCACCTT CTAATAACCA  
138601 GAACTCACAC AGCCATAGAC ACTGACAAGT AGGACTTAAC AAGAATCTAA TTTTGAGTCT  
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138721 GCTTGGCCCA GGCCTGTCTC CCTTTCCTGC CATGTCACAG GGGCCAGCAT TTATGTCTAG  
138781 ATTGGGTTGG TTGGGATATT AAGACAATAA TGAACCAATA CAACATCTTG AGCATAAAAC  
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138901 AGAAATGTGA TAACTAAGGT AATTTTTGTT TTGGCAAATT TTTGTTTGT CATGACAGGA  
138961 TGAAATCCTG TCATTTGTAG CAACATGGAT GGAATTGCAG GATACCTACAT TAAGTGAAAT  
139021 AAGCCAGAAA CAGAAAGTTA AACACCACAT GTTCTCACTT ATATGCAGAA GCTAGCTAAC  
139081 TAAGTAAATA AGTTTATCTC ATTGAAGTAA AAAGTACAAC AGAGATTACT AGAGGCTGGG  
139141 AATGGTAGGG GAAAGAGATG ATAAAGAGAG ATTCATTAAA ATAAGTTACA GCTAGATAAG

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139201 AGCAATCAGT TCTAGTGTTC TATTTGTACT ACAGAATGGC AATAGTTAAC AGTAATAAAT
139261 AATTTCAAAG AGCTAGAAAA GAGGACATTG AATGTTTCCA ACACAAAGAA ATGAGAAATG
139321 CTTGAAATAA TGGATATTCT AATTAATTAC CCTGATCTGA TCACTATACA CAGTATGTAT
139381 AAAAATAACA CTATGGGCTG GCGCAGTGG CTCACACCTG TAATCCCAGC ACTTTGGGAG
139441 GCCAAGGTAA GCAGATCACT TGAGGTCAGG AGTTAGAGAC CAGTCTGGCC AACATAGTGA
139501 AACTCCATCC CTACTAAAAA TACAAAAATC AGCCAGGCGT GGTGGCATGT GCCTGTAATC
139561 CCAGCTACTC AGGAGGCTGA GGCAAGAGAA TTGCTTGAAC CCAGGAGGCG GAGGTTGCAG
139621 TGAGCCGAAA TCGCGCCACT GCACTCCAGC CTGGGTAAACA GAGCAAGGCT CTGTTTCAA
139681 AATAAATAAA TACATAAATA AATATTTTTT AAAAAAGAA CATCACTATG CACCCCATAT
139741 ATACATATAA TTATTATGTC AATTTGAAAC ATAATTTTGA AAAATGAAAA AATGAAACAC
139801 AAATATGAAT CAATCCTCTC CAAGTTGATA TACTTAAAG GAAAAAGTC CGAGGGCTTA
139861 AACTATTCAA TCAAAATTTT ATTAAAAATG TATAGTAATC TGGAAAGTAT TTCAGAATGA
139921 ATTGGTATAA GGTTAGACAC AAAGATCAGT GAAACAAAAT AGAGAACCCA GAAATAGATT
139981 CACACATCTA TGGACAACCTG GTTTTGACAA AGGTGTCAAG GCTATTTAAT AAGTAAAAAA
140041 ATCGTCTTTT CAGTAAATGT TTCTTGAACA AGTAGACATC CGGTGTGGGG GAGAGGAGCA
140101 GGAGCCTTAC CTCAAACCTT ATGCAAAAAT TAACTCAAAA TAGACCATAG ACTTAAATGT
140161 AAAAGCTAAA ATTATAAAAC TTCTTTAAAA AATAGGAGAA AATCATCAAC ACCCTAGGAT
140221 TAGCAAAGAT TTCTTTAAAA CAAAACAACA GGTTTATAGT TTATAAAACA TAAATAACAA
140281 AATGATAAAT TTCATCAAAA GTGAAAATTT GCTTTTCAAA AAACATTATA AAATGAAAAG
140341 CAGGAGGCTG AGGCATGAGA ATCACTGGAA CCCGGGAGCT ACAGGTTGCA GTGAGCCAAG
140401 ATGGTGCCAC TGCCTCCAG CCTGGGTGAC AAAGTGAGAC TCTTCCTAAA AAATAAATAA
140461 ATAAATAAAT AAATAGAAAA GAAAAAGAAA AATCACAGGC TGAGAGAAAA TATTTATAAT
140521 ACATGTATCT GACAAAGGAC TCGCACCTGG AAAATATAAG GAACCTTATA ACTTAGTAAG
140581 ATGACAAGCC AAAACAAAGA GTAAAAGTTT TCAACAGACA TTTCACAAAA GAAAAACATAC
140641 AAATGGCCAG TATGCACATG AAAAGATTTT AAACATCATT AGTTACTAGG GAAATGCAAG
140701 TCAAAACCAC AATGAGATAC TTCACATTCA ACAGAATAGC TAATGTTAAA AGGACTGACA
140761 ATCCCCAGGG TGAGCAAGGG TGTGGAGGAA ACTACTCTCA TATATTGTGA ATGTAAGAGG
140821 ACAATGTTAC AACTACTTTG AAAAAAGTTT GGCTGTTTCT AACATAAAAT TAAACACTTA
140881 TAGACCCAG CAATATTTCT GGGTCAATTT TCCCAGATAA ATGAACACAT GTCCATCTA
140941 TGACATGTAC AAATGTTTCT ACTGGCTTTG TTTCACAATG CTATAAACTG GAAACAACCC
141001 ACGTGTCCAT CAACAGGTGA ATGGGTAAAT AAATTGTAAT ATATCGGCCA GACGCAGTGG
141061 TTCATGCCTG TAATCCCAA ACTTTGGGAG GCCAAGATGT ACGGATCACC TGAGATCAGG
141121 AGTTTGAGAC CAGCCCATCC AACATGGTGA AACCCCATCT CTACTAAAAA ATTAGCTGGG
141181 CATGGTCACG GCGCCTGTGA ATCCCAGCTA CTCGGAAGGC TGAGGCAAGA GAATCACTTG
141241 AACCAGAGAG GCGGAGGTTG CAGTGAGCCA AGACCATGCC ATTGCACTTC AGCCTGGGCA
141301 ACAAGATGGA AACTCCATCT CAAAAAATAA AAAAAATTGC AATATATCTA TATCTTGGA
141361 TATTATAAAG CAATAAAAGG GAATAAACTA CTGATATATA CACAAAATGG ATGAATCTCA
141421 AAAATGTGAA GGAAAATAAA AAATACATAT GATATAAATT CCATTTCATAT GAAATTTTATG
141481 GAATGGGAAA ACTAAGCTGT AATTATGGAA AGTACATCAG TGGCTGCCTG GGGCCAAGAG
141541 GATGGAAGAG GCGGCACAGG TGATACTACA AATGGAAACT ATCTAGGTTG ACGGAAGTGT
141601 TCTGTAACCTT GATTACAGTA GTAACCTGTT GGGTATATAA AACGCATCAA ATTTGTATAAT
141661 TAATACAGGT GTATTTTACT GTGTATAAAT TATTCCTCAA TAAAGTTGAT TTTTCATTAA
141721 ATATATTATT TGCTAAAATG AGGAGAGACA ACTATTATCT TAAAATAGTT AAGCACATAA
141781 AAAATACTAC AATCAACTCA TTATATATGG AAATTAAAGG AGAAAAATAG TGGTATGATT
141841 AATTAAAAATA AAAAGAAAAA CTTCTAAATT TTATCTTAGC TCATAGTTGT AAAAGCTGCC
141901 ATCCCTAACC AAGGCCACCC TTGACCCTTT CTCATGTTCC ATCTTTCTGT TTGTTTCATA
141961 GTTTATGTCT CACCAAAATC TATCAGATAA ACGTATTCAT ATGAAGATTT AAATATATTA
142021 CATGTTAAGC CTTAGCGAAT ACTTCAATAT CTAAAGAAGG TACAAACAAA ACAAATCA
142081 ACACCTAGTT ATAAGAGATT ACATACTCTC CAGGGAAGAC CTGAAGACTA GCCCTTTTCT
142141 GGATCCCACT AGCCCTCAT CCCACTCCAA GCCCTCCCCT CCAATCCCAT ATGCACTGGG
142201 CATTCATACA AATAAGACCA TCAGCTCTGG ATATCTGTAC TGATTGATGC TCCTGCTAAC
142261 TACCTGAATG ATTGCGATGT AAGGACAGCA CTGCCTGAAT CCTATTTATC TCTCGCTATG
142321 CCATAGCGGC CTTCCATGCT GATGGCGTGT TTGAGGATCC AGAGGGGTCT TTGGTTGGCA
142381 GGATTGTTTT ATTTCCCCAA GAGGAGAGCC TTGATGCAAA AATAGGTGAA GAAATCAGTA

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142441	CAACAAAACA	GAAAGCCTAG	AAACTACTAT	GAACACAATA	GAGCAGAAGT	AGCCTTAAGA
142501	GTTGGTGGAG	AAAGGATGGT	CTATTCAATT	ACCTGAGCTG	AGAAACTGGC	TTTCATATGG
142561	AATAAAAATA	AAATTATAGC	TATACCCCAT	ATCATACACA	AAAGTTTCTA	CATCTAACAA
142621	AGACACAGAT	AGAAAATGTT	TTAAAATTTT	AGAAGAAAAT	AGTGCAGAAT	TTTAGTGCAG
142681	AATTTCTTAG	ACTAGATGCA	AAAACAAAAA	TGATTAAAGT	GGCCAGGCAC	GGTGGCTTAT
142741	GCCTGTAATC	TCAGCACTCT	GGGAGGCCGA	GGTAGGTGGA	TTAGTGGAGG	TCATGATTTT
142801	GAGACCAGCC	TGGACAACAT	AGTGAAACCC	CATCTCTACT	AAAAACAAA	AATTGGTAGG
142861	GTGTGGTGGC	TCACGCTTTT	AATCCCAGCT	ACTTGGGAGT	CTGAGGCAGG	AGAATCACTT
142921	GAACCTGGGA	GGCAGAGGTT	GCAGTGAGGG	GAGATGGCGC	CACTGCACTC	CAGCCTGAGC
142981	AACACAGCGA	GACTCTGTCT	CAAAAAATC	TAAAAATAAA	AAGATTATTT	TTAAAAGACT
143041	ATTTTAAACA	AAAAAATCG	TTTAAATGAT	ATGATACACT	ACATCTAATA	TTTGGAAAAAG
143101	TACTTCTTAA	TACTTTTAAT	AAAAAGAGGC	GCTGAGAGCA	TACAACCTAT	CCTCAGAAGA
143161	GTGTTTGACC	TCTAGGAGGG	ACGCAAGCGC	GTTCCTTCCTT	CATTTTAACT	GGTCATTTTTC
143221	ATTTATTTCA	GGAACATCTG	AAGTAAACAC	AGTCACACGT	TAACCTTTAA	AAATCTAGGA
143281	GGTGCGTACG	CATAGTTCCA	TTACTTCAAT	TTTTGTACTT	TTGCATTTTA	AAATATCACA
143341	GGGAAGCTCG	GTACAGCTTC	AAGGCTAGGA	GGGGTGGCTC	TCTCTTAAGC	CCTGTCCCCG
143401	CCAGCCCCAG	ACCTCTCGTC	CCGCCCCCAT	TGCCCAGTCC	CCACCCTCAC	TTCCCCATTT
143461	CCCCACTCCC	GCGGTCTCTT	AACGCACCTG	TTTTTTCGTCC	AGTGGACTCA	GACCTGTACT
143521	CTTCCACCAG	GATCGGCTCC	TTTCCCGGAG	CTCTCGCTCT	TAGAGGAAAT	TGAGAGAAGC
143581	ATCAGCGGAG	ACCCATCTGT	GGCTCTCCAG	AGGGCGCGGC	ATTCAGACCC	CAGATCCAGC
143641	TGTGAGAACG	GACCCAGGC	TCACACCAGG	CCTGCGGGAG	GCGGCCACC	AGAGGCGCTA
143701	GAAAACAAGC	CTCGCGGGGA	GGCGCGCAGG	GCGACTGCAA	GCTGTAGGGG	GCGCTGGCGC
143761	CCTCACAGGC	CAGGGGCAGG	GCCGGCGCTG	CGGGCGGGGC	TCCTGCGGCG	TGAGGGGCGG
143821	CCCCAGGCCA	GCAGCTGCGC	CCTGGCTGGG	AGCCGGGGAG	CATTTGCTGC	TCTGCTGGAC
143881	CCTGAGTCTG	GCGGCGGGCG	GCCTCCTCTC	CGCTCCCCGC	CCGCCATCCC	CCAAC'TCCCG
143941	ATCTCTCTGC	TGCGTCTGGC	CTCAGGCTGA	GACCCCAACG	AATCATTCCC	CGCATGGGAA
144001	CATTTTATGA	TATAACTGAA	TTCAAGTTTA	TGTATAACTG	AATTACGGAT	ATGAGAATCT
144061	CAAATGAGGA	CGAATGGTTT	TTACGCACAA	AACATGAGAC	ACAAATCTGT	AAGAAATATA
144121	AAGTCGTGAC	CACGTCCCTT	CAGAAC'TTA	ACCTGTTTGC	TGAAGTACGT	CAGTAACAAT
144181	GGCAGGGAAA	GGGTATCTTA	AATTTACCA	CAGCCTCAA	GAGGCCATTT	CGTGGATCCG
144241	CTGAGGCTTG	GAGTCGGCCT	TCTGACCACG	AGTCCTGCGG	CTATGAAAGA	GGAAGCCGCG
144301	GTTCAGGGCG	TCCTCGCGAG	TCGCGCAGCC	CGCCCTGCTC	CAGCTGGGGA	CACAGGTGGT
144361	CACGGCGCTT	TCCAGCTGCA	GATCCAGGCG	GCAGCCCAAG	ATTTGGTCCA	GCCGCCAAGG
144421	GGTGGCTCGA	GTGACTGACG	GGCCTTGAAC	GCTCCCAGGA	CCCACATCTG	GAGAGGGAGG
144481	TGGGGGTGGG	GTGCTGAAGT	CATTCTTGGG	GCCCCTGGGG	GCGGGCATGG	ACCTGGGTAA
144541	GGCCAGAGAA	ATTGACACCT	CGTGACATCC	CTGGAAGAGA	AGTACGTTCA	GTGTCACTCC
144601	AGAGCTGAAA	GATACCGCCT	TCTGGCTGGT	CCCTCCTCAC	CTACATACTT	TTCTAATTTG
144661	TCTGGAGCAG	GCCGGGCATC	TGTATTATCT	GGTTATTTAA	ATATCTGGTT	ATTTAAAAGC
144721	TCTCCATTAA	ATTCACATAC	ACGAAAATAA	AAATTAAAAA	AAATTTTAAA	AAAAAGAAAC
144781	AAAAGCTCTC	TAATGACCAA	GTCTACACG	ATAGTGAATA	AATTTTTTTG	TGTGGTCCCT
144841	AAAATTGAGT	TCATGCCTTT	TCTGAAGTAA	TAGACGCCCA	GAGAAGGGAT	CGACTTACCC
144901	ATCATGCCAC	AGAGATTAAT	TGGCCCCAGA	ATTCTTTAGC	AGACCGTGTA	TATGAACGTC
144961	CTTTGCAATC	ATATAAATTA	ACTGGGAAAA	CCTCATTTAG	TATGTTACAT	GCCTAGCGTT
145021	TTGTGCCTGA	ACACCTTACA	AGAACCAGGG	ACTATTGCCC	CAATATTATA	TTTCAGGAAA
145081	GGAAGGCCCA	GACAAATGGT	GTCAGTGGTC	CAC'TTTCACC	CAGTTGGTAA	ATGAAACCAG
145141	AAATTATAGC	TGTACCACAG	AAAGGTGAAA	ACGTTTCTTT	TATAATTTCA	CATACAATCT
145201	TTAATGGACC	CAGTGTCCAA	CACATTAAAG	CAAGTGCTCA	GGAGTGACAT	CAAGATGTAA
145261	AAAATAGTCC	TGTCCTCAGG	GAGTTTAGGT	CTTGGAGAAA	AGAGACCCAA	GGAGACACAA
145321	GACAAAGGGG	AAAGAGAAGG	AGCGCTGAAG	ACTGAGGACC	CTGCCTGTGG	ACTGAAGTGA
145381	GGATGGGGAC	ACCCGATGCC	CGGAATATGA	CAGTTTGGAG	GGGCCTGAAG	GACTCTTCTA
145441	TTCTCTATCA	GAAAAACAGA	ATTACTCTCC	TAACCAGAAA	AGGTATTTCA	ATTTATATTT
145501	TCCATCACAG	CACTTTTCTG	GTGATAATTT	AATGTGTTTT	AAAAAATGTA	TCACAGTGAT
145561	GGCCTGGTGT	GAAATAAATA	ATAAAATTTT	AAGAATTAAA	AAATATAAAA	ATCTTTTATA
145621	TAGACATTAG	GAGTTACAAG	GATAACTGTG	AATTATAATT	AGTAATTAAA	TTGAAATACT

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145681	GATTATTTTC	ATTTTTATTT	AATTATTTAA	TAAAACCTAT	TTAACATTTA	ATATTTATCA
145741	GTAATTAAAT	CTAATTGTTA	ATATTTATTA	TTATAAAATTA	TTTTAGAATT	AAAAATAAGT
145801	GTAGAAGCGA	GGCATGGTGG	CTCAAGCCTG	TAATCCCAAC	ACTTTGGGAG	GCTAAGGTGG
145861	GAGGATTGCT	TGAGCCCAGT	AGTTCAAGAC	CAGCCTGGGC	AACATGGAGA	AACCCTGTCT
145921	CAATACAAAA	AAATGAGCCA	TGTGTGGTGG	TGCGTGCCTG	TATTTCCAGC	CATTCTGGAG
145981	GCTGAGGTGG	GAGGATGACT	TGAGCCTAGG	CAGTCAAGGC	TGCAGTGAGC	CCTGATCTTG
146041	CCACTGCAC	CCAGTCTGGG	CAACAGAGCA	AGACCCTGTG	TCAATATACA	TATGGACAAA
146101	CTTAAAAATTT	AAAAATGAAAG	CATACTACTG	ATACAGAATT	GAGTAGAGAT	GCAAAGCTAG
146161	TCCTATAACC	AGAACAATAA	AGATAAAAAAG	GAGAGTGGAA	GAAGGTATGT	CATGAATTTT
146221	ATGATAAATG	GCAATTGCAA	ATATCCTGTA	GCAGAACAAA	ACAACAAAAT	TGTAGATAAA
146281	ACATATCCAA	CCCTTTGGAA	GGCCAAGGAG	GGAGGATTGT	TTGAGCCCAG	AAGTTGGAGA
146341	CCAGCCTGGG	CAACATAGTG	AGACCCTGTA	TCTAAAAAAGG	AAGAAAAGAAA	AAAAAAAAAAA
146401	AGGATGATAA	AGTAGACAAT	ATTGAAAGCC	ATTTTCTGCA	AATACATAGT	GAATTTGATC
146461	AGTAATTTTC	TTCCAACAGT	GCAAAAAATGA	ATAGATATTA	GTTGCCTGAA	ATAAAAAATCA
146521	AATATCCAAC	AAAAAATATT	GACTATCTAA	TAGTATCTAA	GCTAGTAAAT	TTGGCCAGTT
146581	ATAAAATGTC	TTAAATTTTT	ATTTAAAAAA	AGAAAACCAT	ATTTATAAGA	AGAGGTGATA
146641	AAGAGAAATT	ATTTTCAGTTA	TGAAGATTTT	GTTAGAAAAC	TATGAGAAAA	AAACTATTTT
146701	TTGTTTTC	AAAGTGAAAG	ATTAAGTTAC	CAAACAGTTG	CTAAAGAATA	CCAGATGGCT
146761	GAGCGTGGTG	ACTTATGCCCT	GTAATCCCAG	TACTTTGGAA	GGCCAAGGCA	GGAGGATCAT
146821	TTTAGGCCCTG	GAGTTCGAGA	CCAGCCTGGG	CACTGTAGCA	AGACCCGTCT	CTATTAAAAA
146881	AAAAAAAAAA	AAAAAAAAAAG	AATACCAGAC	CTTGCTAACA	ATAGCAAAGA	TCAATTAATT
146941	CAAAATTTGA	AAAACGTAA	TTTATTTAGC	TTTAGAGTAC	TCTCGTGATA	TGAGATTGCC
147001	AAATTAATAC	TTTGGGTGCA	TTTCTTTTCT	CAAAGGACTT	GCAAATTTAC	AAAGAAGTGT
147061	TGAAGAAAAAG	CCACACATTG	GCAGGTAATG	TTTGCAAAAG	ACAGATCTGA	TGAAGAACAA
147121	TATTTTTAGA	ATATACAAAG	AATACTTAA	ACTCAACAGT	AAGAAAATAA	CCTGATTTAA
147181	AGCAGGCCAA	TGACCTGAAC	ATCTGTTTAC	CAAAGAAGAT	ACACAGATGC	AAGTATGCAT
147241	ATGAAAAGAT	GCTTGACATC	ATGTCAATTAG	GGAACTGCAA	ATTAAAACAA	GTTAGATACCA
147301	CTGCATACCT	AGTAGAATGA	CCAAAAATTTA	GAACACTGTC	AGCACCAAAG	GTTGCAAAGA
147361	TATGTAGCAA	TAGTAACTTG	TTCATTACTG	GTGAGAATGC	AAAATGTGCA	ATCACTTTGG
147421	AAGACAGTTT	GGTGGTTTCT	TACAAAAAGTA	ACCATACTTT	TACCATAAGA	TTCACCAATC
147481	ACACTCCTTA	GTATTTATCC	AAAGGAATTG	AAAACCTATC	TCCACACAAA	AACCTGCACA
147541	TAGATGTTTA	TAGCAGCTTT	ATTCATAATT	TATCCAAAAC	TTGGAAACAA	GATGTCTTTC
147601	AGTAGGTAAG	TGGATAACTG	TGGTACTTCT	GAATAATGGA	ATGTTATTTA	GAGTTAAAAA
147661	GAAATGCATT	CACTTTGGGA	GGCCGAAGTG	GGTGGATTGC	TTGAGGCCAG	GAGTTTGAGA
147721	CCAGCCTGGT	CAACATGGGA	AAACCCCAAT	TAGCCGGGCA	TAGTGGCGTG	AGCCTGTAAT
147781	CCCAGCTACT	CGGGAGGCTG	AGATATGAGA	ATCGTTTGAA	CCTGGGAGAT	GGAGGTTGCA
147841	GTGAGCCAGT	GCCACTGCAC	TTCAGCCTGG	GCAACAGAGC	AAGACTCCTC	TGTCTCAAAA
147901	AAAAAAAAAA	AAAAAAAAAAA	AAAAAAGAA	AGAAAAAGAA	AAAGAAAAAG	AAAAAGAAAA
147961	GAAACGATCA	AGCCATGAAA	ACACATGAAG	GAAACTTAAA	TGTATGTTAC	TAAAAAGCCA
148021	ACCTGAAAAG	ACTGCATACT	ATATGACTCC	AACTGATGCA	GGGCAAGCAA	GCCAAAAATT
148081	AGGGCTTAGC	CCGGGAAGAA	TTCAAGGGTG	AAGTGGTGGT	GTTAGCAACT	TTTACTGAAG
148141	CAGCAGTGTA	CAACAGCAGA	ACAGGTACTG	CTCCTTGCTG	AGCAGGGCTA	ACCCATAAGT
148201	AATGTGCCCA	GAGTAGCAGC	TCAGGGGCAG	TTCTGCAGTA	ATATACCTGC	TTTTAGTTAA
148261	GTGCATGTTA	AGGGGGATTA	TGCAGAAATT	TCTAGAAAAA	GAGTGGTAAC	TTCCGGAGTAG
148321	GTACAGAGGA	AAGAAGTCGA	TAATGTCCCTG	TTGTTGCCAT	GGCAACGAAA	AACTGCATG
148381	GCGCTGGTGG	GCGTGTCTTA	TGGAGAGGTG	CTTTAACCTC	GTCCCTGTTT	CGGCTAGTCT
148441	TCAATCTGGT	CCGGAGTAAA	GTCCCTGCCT	CCGGAGTTCA	CTCCTGCTTC	CTGCTTCACA
148501	ACTGTATGAC	ACTCTAGAAA	AGACAGTAAC	TATGGACACA	GTCAAAAGAT	TAGTTGATAG
148561	AAATTGGGTG	ACAGGAAGTG	TTGAAAAGGC	AGAACACAGG	ATTTTTAGGG	CAGTGAAACT
148621	TCTGTGATAC	TATAATGGTG	AATACATGAC	ATTATACATT	TGTCAAAACC	CATAGAAAGC
148681	ACAACACCAA	GAATAAACCC	TAATGTAAAT	TACAGACTTT	CGTTGATAAT	GACGTGTCAA
148741	TGTAAGTTCA	ATTGTAATAA	ATGTACTACT	GTGGTGCTGG	ATGTCTATGG	TGGGGGGACA
148801	TTTTTGCTTC	AATAGTTACA	GTTGAAGTAA	ATGTTTGTGT	TTCCACAAT	GCATATGTAG
148861	AAACTCTCAC	ATTCAATGTG	ATGGTCTTTG	GAGGTGGGCT	CTTTGGGTGA	TAGTTAGGTT

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148921 TAGTTGAGAT CCTAGCAGAT CGAGTCTTCA TGATGGGCAT GATGGGACTG GTCCCTTATA
148981 AGAAAAGACC AGAAAAGCTAG CTCTCTCTTT GCCATGTGAA GACATAGCAG GAAGGTAGCC
149041 ATCTGCAAGC TAGGAAAGGG CCTTCACAAA GAATCAACTC AGACCTCAGA ACAGTGAGAG
149101 ATAAATTGTC GTTGTTTAAG TCACTCAGGC TGTGGTATTT TGTTTCAGCA GCCCAACCTA
149161 AGACTGTTAA TTGGATTAGA AATTTCTTTT TGGGGATGGT GTGTGGCGGG GGGTGCGGGG
149221 AGTACCTTTG TTAAGCTTTT ATATCAATGA GTTTGTAGGC TTTCTTTTTT TGGTCATTGA
149281 CTAGGACAGT TTAATATGA TGAGTGTGAA GGAGATTGTT GGTCATCTAT TCGATGTCCC
149341 TTCTCTGTTT TTTAATATGA GAACTCCTGA TTTTCAGCCA ACTACCTGG AAAAAAGCT
149401 AATCTTTCTG ACTTCTTAAG TGTGGCCATG TACTAAATTC TGGCTAATGC AAGGCAAGCC
149461 AAAGGTTTTA TGATAGGTTT TAGGACACTA GAGTAAAAGA GAGCTGTTGC ACACATGCTC
149521 TTCACCCTAC TTTTGTGTCC TTTTTTCCAT CCTACAACCT GGGTGTGAGG TATGATGGCT
149581 GGAACTTTAG TGGCTCTCTT GGATCCCAGG GGTAATTGAG GGGTGGCTGG AAGGAATCTG
149641 TGATTTTCTG GAGTTTCCAT ACACAAACAA GACCTGGATT TTCTGGGCTT CCCAGACTTC
149701 CACATCTAGA CTTGCTTTAA ATGGGAGAGA AATAAACTTG TTTCAGCCAC TGTCAATTTG
149761 GGCTATTTTA TAGAACTTAA TCTAATCTTC AAGGGTACAT GAATTGCTTT TCCTTAAAAA
149821 AAAAATCAGC CATAAAATCA TCTTCTTTTT TCTTTTGTTC CCCACATTAT TTAGTTGGAG
149881 CTCTGTAACT TTTTTTTTTT TTTTTTTTGA GACAAGGTCT TGCTCTGTCA CTTAGGCTGG
149941 AATTCAGTGG CATGACCATG GCTCACTGCA GCCTTGCCCT CCTAGGCTCA AGCAATCCTC
150001 GTCTCAGCCT CCTGAGTAGC TGAAACTAAG GCACATGCCA CCATGCCCAG CTAATTTCTT
150061 TTCTTTTAGA GATGGGAGCC TTGCCCAGGC TAGTCTCAA CTCTAGCCT CAAGTGATCC
150121 TCCCATCTCA GCCTCCCAA GTGACAGGAT TACAGGTGTG AGCCACCATG CCTGGCTGCT
150181 CTGTAAGTGT CTGAATTTCA TTTTGTATTT ATCAGTCTGT TTAGATTTTC TTTCCCTTCT
150241 TGGGTCAGTT AGGCCATTGG TTTCTTTTTA AAGGTTTTC AATTTATTTG CATCTAATTC
150301 TTCAAATTAC TCTCAAATTT ATTCAGTAT ATATCTTTT GTTCCTATTT TCTTCTGTAT
150361 TCTTTATTA AATAGCTAAT GATTTATCTA GCAGGACTTA TATCTTTCC ATAACTTCC
150421 TGCACCCCAA TTAATCTCCA ATTTTATATT TCTTCTGGCC TTCTTATAG TTTCCACAGG
150481 TTTATTTTAT TCAATTTTTA AAACTTTTAT TTAATTGTTT ATTTTATTAT CATTTCTTCT
150541 TATTCAGCAA TCTAAGTGCT TAGGGATATA GAATTTCCCT TAAGCAGCAT ATGCTAGGCT
150601 TTAACAATGT TAGGGAGGCC TCCCCTTTCT GGGGAAGACC ACATTACAT TAACACAGGA
150661 CTGTGGGATG CCAAGAGGTA GAGAAGAGCT TATGAATATC CAGATTACAT CTTCACTGAT
150721 CCTGCACAAA GGTGGGGTTC CTCGGTTACC CACTGGGTCC TATTACCCAA GTCTGGGTCA
150781 GCATACCGAG ACTACGGGTA TATAGAACAA GTGCAACTGG CGATAATCCT TCTGTTGGGG
150841 AGAAAAATCT TTTTTTCTA TTCATCTTAG GTTCTCCATC TGTGGCCCTA TCAAGTAGAC
150901 TAACAAAAGA CAGATTGACA AGACAGAAAC AAAGCATGTG CATTGTACAA ACACAGGGGA
150961 GTACTGAGAT GAATACTCAA AAGAGGATTT AGAACTTGGG CTTATATAGC ATTTTAAGAA
151021 AAGAATACAT TTTTAAAGTG ACAAGGAAGA CGAAAAGGAC TTTGAGTTTC TAGTGCAGTA
151081 AATTGTGGGA AGGCAACTTT TTCTTTCCCT TTTTTTTTTT TTTTTTTTTT AAAAAAGAC
151141 TTCTCTGGTG CTATGTCCAG GCTGATAAGA GTCTAAAGTC TCTGGTGA CTACTTTTGT
151201 CTCCCCGAG TAAGAAGACA CCTTCACAA TTCATATCCT GCTTTTAGGC AAACAGGGAG
151261 AGGGCAGAGG TGT'TGT'TTG TTTTAAATCT ATTTT'TTTC TCAATTGTCT TCAACTCAAA
151321 ATACTTCTTA TGCCAAAGAT GGCATATCT GCTACCCCTC ACTTACTACT TACAACCCAG
151381 CCTCTATCAT CATAATTAGA ACTTCTGACC CTGGGGAACA TGGGCAATAG TTTGAACTCT
151441 TTTATATCTC CTTAGGCAG AGATGGAGGC CCAGCCATGC CTCTGACATC TAGACACAAC
151501 TGT'TGCTTCA TTTTCTCCTAT TCTCAGAGGT GATGTTGTAG GACTTCAACA AATATCAGTA
151561 AACATTAATT TTTTTTTTCC TTGAGGCACA GCATGATCTT GGCTTACTGC AGCTGTCTGA
151621 GGCTCAAGCA ATTCTCCTGC CTGGCCCTCA CGAGTAGCTG GGTTACAGGC CCTTACCACC
151681 ATGCCCCGGCT AATTTT'TGTA TTTT'TAGTAG AGACAGGGTT TCACCATGTT GGCCAGGCTG
151741 GTGTTGAAC CTGACCTCA AGTGATCCAC CTGCCTCAGC CTCACATAGT TCTGGGATTA
151801 CAGGCGTGAG CCACCATGCC TGGCCATCAA TTTT'TATGTC AACTCTAAAT TATAACATTT
151861 AGCAATTTTG TGACTTTT'TA TGGTCATCAT TAATGTTGTT TATGTTT'TAG TTGTAGTCTT
151921 GTCATTACTC ACTCGGGTAT GGTAATTTGG TCTTTT'TCAA AATGAAGTTA AGGTCTATTT
151981 GCTCTTCTCT GAATCATAAT AAGAACTGCC AACAGCCATT TCAGCAATAA CTATTTACTG
152041 AGATTTTAAA ATATTTCAAG GTAATTGGTC CTAGCAGACT GGAAAATACC AAATCTTTTT
152101 CCAGAACTGA ATCCCCCATC AAAGTTCAAT TTTACTCATA ATTCCCTTTT CATTTGAAGC

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152161 ATCTCATTTGT AAGCCAGTCT TAACCCTTCT CTCACACTTT GCTTGGCTGT TTCTCAGGTA
152221 GAACTCAGTA AGTCTGGTAG CCTCCAGGAC TGCCGCTTAG ATTATTAAAC AACATGTCAG
152281 TGGTTGGAAG AGTCAATGTT ATTTTGATTT TTCTGTTTTG TTTTGTTTTA AATGCAGTTG
152341 GCGGATAATT GCAGCTTTCT TFCATTCCCT ACATGAGTTC AAATGGCAGC AAACAACTA
152401 GGAGAACGCA GACCTTCTGA CTTGTGGGTA CCCCTACTCA TCACCTGAAG ACCCTTGGAA
152461 ATCAAAGCCC TGACCCATTA AAGACGGATG GAGACAGCAA CATACGATCA TCACTATTAT
152521 CTTGCTTTGC CCCAGTCCAG GTTAACCATC TGTGGTATTT TTAGTTGCTA AGTCCATATA
152581 TTCAACATAA ATCAATTATA TATCCACTAA AATCTCAGCA CTAGTCTAAC TACTAAGGAA
152641 ATGACAGCGA AGAAAACAGA CCAAACGTCT GCCCTTATGG GATTTATATT ATTTTCTCTG
152701 TGCTGGTTAA ACCAAGGAGC TTCTGCTCTT TTCCTTAGTC ACCTGGGGGA GGCAGAAACA
152761 AAGGAGAATA TTGATAAACC TGGAAATAGG GCCGGAGAGT ATCAGAGAAG GAAGCCTTCG
152821 GGAAAGTAAA GATGTGGCAG CCAGTATTCC CGTTATAAAA GGATACAACT CCGGCCTCAT
152881 AGTCCAGAAA AATTCCCACA AGCAGGGGCT GCTCATGCAG ATGAAGGGAA GTTGGGGGAG
152941 AAGTAAGTGC TACATAGCCT TTCTTTTTGC ACAGCCTGAG GGTCCAGAAT CCAGACTGAG
153001 GCTCTTGCTT CATGCCAGTG CCCCTCTGCA CATTTTCCAT ACAAACTCCT AAATCCCATC
153061 CGGTTCCCTC GCCAACATCC ACTTCAAAGT AACGTCTTCC TGAGGTGAAG CCTTCACAAC
153121 CCAAGACACA GGGGAAGGCA GTAAATCTCC TGGAAGATGT GTCCTGATTC TCCTGGGTGT
153181 ATCCACGAGT CACTTGCTC CGATCCTCAG AGAGAATTAG TTCGTGATGA GCTGTATCTG
153241 GATCCAGAGT CACACTAACT GCAAAACAAA ACAAACAAA CAAAATAAT TTTGTTGCTG
153301 TGAAGAACAC AGGTTATTTT ATTTTATTTT ATTTTGAGAT GGAGTGTTGC TGTCACCCAG
153361 GCTGGAGTGC ACTGGCACTA TCTCAACTCA CTGCAACCTC CACCTCCTGG ATTCAGGCAA
153421 TTCTCCTGCC TCAGCCTCCG GAGTAACTGC GACTACAGGT GCGCACCACC ACAAGTGGCT
153481 AATTTTTTTA AATTTTCTGT AGAGATGGGG TTTTCGCCATG TTGGCCAGGC TGGTCTCAAA
153541 CTCTGACCT GAAGTGTTC ACCCACCTCG GCCTCCCAA GTGCTGGATT ACACAGGTGT
153601 GAGCCACCAT GCCCAGCCAC AAGTTATTTT CAATAAAACC AGCCTGTGTT CAAACCCAAC
153661 TATTGTTTCT TATAAACTGG GTGAGCTTAG GCAAATCATT TAACTTTCTG AGCCTCAGTT
153721 TGTAACTAT AAAGTGGAAA TTACCGTATT TGTTGCAGAG AATGGTGGGT AGGATTGAAT
153781 AAGCTTATGT TTGCTTAATG CTTGGTAAAA TTCCTGGTAC ATGGTAACCA CCTAATAAGT
153841 GGTAGTTGTT GGGGTGATCA GGCCCAACAC CAGGCCGTGG GGGCTACAAA GTCCGGCGGG
153901 GTCAAAGGAA TGAGAAAAGA CAAGTTAAGA GTGCATAAAG TGGGTCCAGG TGCCAGCAGC
153961 TAGATTGGAG GCTGCAAAGG CCCTAAGCTC TGGGAGCCCA CACTATTTAT TGGTGATCAA
154021 ACAAAGAAGC AGGTGGTGAG GACGTGAGGG TAAACAGGTG AGGGCATGAG GACATGGGGG
154081 TAGAAAGGTA GTGGTGCAAT AAGCGTAGCT GTGACAGTTT AGCATTTTCT TTGACACATG
154141 TAGAATATAC TCTGCTGCTT GAGATAGTAG AGGACACGTT TATGAGTGAA AAGCAAGGAA
154201 CCAACAAGTC TGTGCACTTT CCAGAGGCTA TGAGGGGTTT TATGCCCTGA GCCCTGGGTT
154261 CCATCCAAGC CACAAGGGGT TTTATGCCCT AGGCTTAGAT TTGTGGTGCG GCAGGGCAGC
154321 CTTCCACCAT TTGGCACAGA GCTTGGTGTT CCAAAGGCCA CGAGGGGTTT TGGACCTGG
154381 ACCCCGGACA TCTTCCAAGA CTCTTTTACA TTATGACAGA CAAGCCAGTC CTGCTTCAGC
154441 TCTTCTAACA ACATGTAGTA ATAATGATAT CATCAACATC ATCTTCGTCT TAATTATTCA
154501 AGGATGCCAA GGTACAGAAC TAACCTGTTA ATATGGTTAC CATCCTGTCC AAAGTTCTTC
154561 TCCCATGCAG GACTTCCAGG AATCATGAGA CAGTTGAGCA GAAAGATACC TTTTCCCTTC
154621 TCTACTGAAT AACCACCAAC ATTGAGAATC AGAGAGGGAA AATGACTCAG CTAATGTCTT
154681 AGCTTGTTAT TGGAAGACCC AGGTCTCATG ACACATGCC T AGTCCCATGA CTTTTAATTG
154741 TAAGCTCTTC TCTTTCCCTT CAGATAATGT TCCATAAGCA TTAGTATGAG ATAATAATAC
154801 ACTGAGGACC AATATACATG AAAAATATCA GACTAGAATC AAACAAGACA GAAAAAAGAT
154861 CTGATAACCT AAAGTGAGAT ACTGAACAGT ATGCAGTTTT AAAAATAAAA AATGGTAATA
154921 GGATGTTCTA ACAAGAGAGT TAAGAAACCA CTGTGCTACT GAGTTAAATG TTGATCAGTT
154981 GGTCTGTGAC AATTAAGGAA TTCAAGTATT CAGAAACACT TCCTGTGCTG GATGCTCTCT
155041 GTTTGTTCTT CCAAATAATC CCTCACTTTT CCCTGTCTTG CTCTGTGCCC AGGAAGGCTG
155101 ACATGGACAG ATTAACCAGG CTTTCCGCCC TCTGGCTTGG TTCAGCCAAT GGGGAAGCACC
155161 AGAGGAGACC ATAGGGCACA AAGAAGCAGC CTTGGGAGTA TTCAGTACCC CAGTCCCACG
155221 CTATGATTTG GAGGGTCTGC ATTCTCTGCT CTCTGGGCAC ACTCTAGTAT AGTTACAGCT
155281 CCCTACACCT GCCACTTGAG GCCCAGAGGA GGTGATGGCT CTCTAACTGT TCCTAGTTCT
155341 GGGTGCCTTC TGTTCCTTGT GGATTTCCCA ACTCCTCACC TTTGTAAATA CCCTCCTTTT

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155401	TCAAACCTCTA	TTCAGTTAGC	TTTTATCAGC	CTGACTCACA	GAAGTTTGGG	GTTTCAATTC
155461	ATATTACCTG	AATGACCCAG	GAAAACCCAT	GTTGAGAAAT	TAAAATGTTT	ACGGGGTGGT
155521	AATACCACTT	AAGAGAAAAA	ATATCAATTG	GATTTTTTAAA	ATTCCACCTA	TCTATTGGTG
155581	TGACACATCA	ACAAAAACAT	ATAGAAAGAT	TGGAAGCTAA	AAGATAGATA	ATATAGTCAT
155641	ATACTGTTAT	AGTATTATAT	CAAAAGATAT	TAAGTCAGAG	CATTATTAAG	AATGGAAGAA
155701	GGGCCAGGTG	TGGTGGCTCA	TGCCGTGAAT	CCCAGCACTT	TGGGAGGCCA	AGGCAGGCGG
155761	ATCACTTGAA	GCCAGGAGTT	CAAGACCAGC	CTGCCCAACA	TGGCAAAACC	CTGGCTCTAC
155821	CAAAAATACA	ACAATTAGCT	GGGCATTGTG	GCACATGCCCT	GTAATCCCAG	CTACTTGGGA
155881	GGCTGAAGCA	CAAGAATCAC	TTGAACCGGG	GAGGCAGAGG	TTGCAGTGAG	CTGAGATTTT
155941	GCCACTACAC	TACAGCCTGG	GTGACAGAGA	GAGATTCTGT	CTCAAAAAAA	AAAAAAAAGA
156001	AAGAATGAAA	GGAGTCACCT	AAAAAAGATA	ACACAATTTT	AAACATAAAT	GTACTACATT
156061	ATTAGTGAAT	TCATGTTTGT	AATTGTGTTA	ATATACAAAG	CAAAAATTGT	AGAATTATAG
156121	GAGAAATGGA	CAAATCTACA	ATCATCATGG	GATGTTTTTAA	CATTCTTCTT	TCCATAATTG
156181	ATAGATCAGG	CAGACCAAAA	GAAAGAAATA	AGGGAAGATA	CGGAAGGTCT	GAACAATCTA
156241	AGAAGCGCAA	TCTCATAGTC	AATACATAAA	GCTCAGCAAT	TGTTTAATAA	TAGTAAGCAG
156301	AGAATATGCA	GTTTTCTCAG	GTATAGATGG	AACATGCACT	AACTGAGTAA	ATACTAGGCA
156361	GAAAACAGTC	TGAACAAGTT	TCAATAAATC	TGTATTACAC	AGATCATTTT	CTCTAGCCTC
156421	AATATAAGAT	TATAAACCAA	TAATAAAAAG	ATGACTAAAA	AGATTCTAAA	TATTAGGAAA
156481	TGTAAACTAC	TAATAAGTCA	TTAGAAGATG	TATAGAATGG	AACAATAATA	AAATGTTATT
156541	TATAAAAATA	TACAATGAAG	CTAAAGCAGA	ATTTTAAGGA	AAATTGTAG	GCTTTAAATG
156601	CTTATCTTAG	AAAAATTAAA	AAGCTGAACA	TTAATGAGCC	AAGCATCTAA	TTTAAATTTT
156661	AAAAAGAACA	TAGAAAGCCA	AATATAATTT	TTTAAAAAGA	AAAAATAGAT	ATTAAACAAT
156721	ATAACAGTGA	AGTTAAAGAA	AACAAGAAATG	CAATAAAGAG	GAAAAACAAA	CAAAAAAANA
156781	AGTAGCTTCT	TTTAAAAGAA	ATTTAATAAA	ATAGACATAC	CTCCAATGAG	ATTTATCAAA
156841	GTAAGACAGA	AGGCACAAAT	GGAATGAATA	CAGAACTTTT	TTAAATATTA	CAGAACTTTA
156901	TAATAAATCT	TATGCTACTA	ATAAAATTGA	AAGTACTGAT	AAAATTATTA	CTTCTTAGAA
156961	AAAATATTTT	TGAGTAAAC	TCACTCAAAA	AACAAATAAA	GCATGGGCAG	ACCTAACATT
157021	AAAGAAATGA	AATCACTACT	TTAAATTTTA	CCGACAGATA	ATAAAACGTG	CATCTTTATC
157081	AAGCAAAAAT	GGAACCTGTC	AGTTTATATG	GAAATTTAGA	AGTCAAGGCA	TGAGTAATGC
157141	CAATCTCATA	CCAAATCCTA	CAAAGAATAG	AAAATTATGG	CTCCCGCTTA	TAGACATAGA
157201	TATAGAACTC	CTGCACAAAA	TAATATAAAT	AACAAAACCA	ATTTTATATT	TGCAACTATA
157261	CATATTATAT	GTGTATGTAT	TATATATGTT	AACATATACA	TATATAATAT	GTATAGCATA
157321	TGTTCTACAT	ATTATATATG	TATAGTGTAT	GTATTTTACA	ATATATAAAT	GAAAACCCAA
157381	TCTTTAATAT	ATTCATCTAG	ATTGTCATAT	ATGACATATA	TAATACATTA	CATCAAAAAT
157441	GTGTACAATA	ATCAGGCCAG	GCACAGTGAC	TCATGCCTGT	AATCCCAGCA	CGTTGGGAGG
157501	CTGAGGCGGG	TCAATCACTT	GAGTCCAAGA	GTTTGAGACC	AGCCTGGTCA	ATATGGCCAA
157561	ATTCCATCTC	TACAAAAAAT	ATGAAAAAAT	ATCCAGGCAT	TGTGGTGCAC	ACCAATAGTC
157621	CCAGCTACTC	GGGAAGCTGA	GGTGAGAGGA	TCACTTAAGC	CTGGGAGGTG	GAGATTGCAG
157681	TGAGTCGAGA	TTGCGCCAGT	GCACTCCAGC	CTGGGTGGCA	AAGGGAGACC	CTGTCTCAAA
157741	AAAAAATTAA	AAAATTAGCC	AGGTATGGTG	GCCTGTTCCCT	GTAGTCCCAG	CAACTGGGGA
157801	GGCTGAGGTG	AGAAGATCAC	TTTAGCTCAG	GTGGTGGAGC	CATGATCGCA	CCACTGTACC
157861	ACTCGGCTTG	GGCAACAGAG	TGAGAGCCTG	TCTCGAAAAA	ACAAATATAT	ACACACAGTA
157921	ATCAATATAT	ATATTATATG	TACCAATCAA	TGCTTCACTT	TTATATATAA	TATAGATTAC
157981	ATCTTATTAG	ATATATAGTA	TTCTTCTCTC	ATAGATAGAT	AGATACAGAT	ATAGACATAG
158041	TATCCTCTAT	CCATATTAGA	GAGAGGATAC	TATATATATC	TATAGCATAT	AGAGATGCTG
158101	TCTCAAAAAA	ATTTAAACAT	CAGCCAGATG	TGGTGGCCCA	TGCCTGTAGT	CCGAGCTACT
158161	GGGGAGGCTG	AAATGAGAGG	ATTGCCATTG	ATCCTCTCAT	TGGTTGAGCC	ATAATCGCAC
158221	TACTGCACCA	CTCAGCCTGG	GAGACAGAGG	GAGACCTGAG	GTGGAAGGAT	ATAGATATAG
158281	ATATATAAAT	AAATATGTAT	AGAGAGAATA	TAATATATGT	GTGTATGTGT	ATATATATAT
158341	ATTATGAAGA	CACTGGGAGA	GAATACTATA	TATATATGTG	TGTGTGTATA	TATATATTAT
158401	GAAGACACTG	GTGGGATGGT	TTCATTACCA	ATTGGACCAA	GAGTCCAGGT	ATGGAGCCAA
158461	CATGCAATGT	TGTGTGTGAC	TGAGCTGGCA	GAGCACTGGT	CATAGTTACG	GGAAAAGAAG
158521	GTCTCCAATG	AGACATACTT	AACAAAATAT	ATGAACCTGC	CATATACGTG	GAGAGTTCTG
158581	GTGTGTATAT	AGCCTTCTCT	CACCAACCTA	GCAATTGTCT	TCATCATCAT	TATAATGCTA

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158641	TCAGAGCAAA	GATGACAGCT	AAATTTTTTTT	GTCCCTTTCT	TCTTCTTTCT	CTTCCTTCCC
158701	CTCCCCCACC	TCTTTCTCTT	CCTCCTCCTC	CTTCATCTCT	CTTCTTTTTT	TTTTTGAGAT
158761	GGAGTCTTAC	TCTGTCGCTC	AAGCTGGAGT	GCAGTGGCAC	AATCTCAGCT	CACTGCAACC
158821	TCTGCCTTCT	GGGTTC AAGC	AATTTCTGCCT	AAGCCTCCAG	AGTAGCTAGG	ACTGCAAGTG
158881	CACACCACCA	CACCTGGCTA	ATTTTTTGAT	TTT TAGTAGA	GATAGGGTTT	CACAATGCTG
158941	GCCAGGCTGG	TCTCAAAC TC	CTGCCCCCAA	GTGATCCTCC	TGCCCTCGGC	TCCCAATGTG
159001	CTGGGATTAC	AGGCGTAAGC	CAC TGTACCC	GGCCTCCTCC	TTTAATAGAC	AGGGTCTAGC
159061	TCTGTTGCC	AGGCTGGGTA	CAGTGGCGTG	ATCATAGCTT	ACTGCAGCCT	CGAACTCCTG
159121	GGCTCAGGAG	ATCCTCCTGC	CCTAGTCTCC	CCAGTAGCTG	GAAC TACAGG	CATAGCACAC
159181	GGGGCTAATA	AAATTAATTA	GGTGATAAAA	TTCACTGCCC	ACTGATGACT	AAGCTCTTTG
159241	GACATAAAAG	ACACAGACCT	TGAAGGAAAA	TGTGTCTACT	TAATTTTGAA	ACCCTATTTA
159301	TCAAAAAACA	GGATGAAAAT	GCAAAATGCC	ATCCACATGC	CAGAAGATAT	CAGATAAAT
159361	AAGTTCCCAT	AAATCAATAA	GGAAAAGAAC	CCAATAAAAA	TTATTTAAACC	ACAGTAAATC
159421	ATGGGTAAAT	CACAGAGGCC	TGAAGGGCTA	ATGGACATAC	AAAAAGAA TC	TCAATCTCAC
159481	TAGTGAAATC	AGAAAAGCAC	AAATTAAGTA	CACAATTAGG	TACCATTTTA	AATCTGTAAG
159541	ACTGTCAAAA	TCATAAATTA	TATAAGTAAA	GACTCAGGGA	GTTTTGGAGG	AGTGAGAGCT
159601	CTTATATTGC	TTGTGGGGTA	GAATTGGAAC	AATTTCAAGA	TCTGTAGTAT	CTGGTAAAAAT
159661	TATGATATGC	ATCCCTCACA	CCAGCATGTC	ACTCCAAGGT	ATCTCCCTGG	AGGGAACATT
159721	TACGGGACAC	AAGGAAGCAT	GGATAAGAA T	GTT CACAGTA	GTATTGTCTG	CAACAGCAAC
159781	AACAACAAAA	AAACCCAAC T	ACACACAAC T	TCAATGCCCA	GTCCACAAGG	CAATGGATTA
159841	AATAAACTTC	AGGCCGGAGA	TGGTGGTTCA	TGCCCTGTAAT	CCCAACACTT	TAGAAGGCCG
159901	AGGCGAGAGG	ACTGCTTGAG	CCCAGGAGTT	CAAGACCAGC	CTGAACAAAA	TAAAGAGATA
159961	GTGTTTCTAC	AAAAAATTTT	TAAAAAATTA	GCCAGACGTG	GCAGTGCTTG	CCTGTGGTCC
160021	CAGCTACTGG	GGAAGCTGAC	GTGGGAGGAT	TGCTTAAGCC	CAGGAATTTA	AGGCTGCAGG
160081	GAGCCATGAT	GGGGCCATTG	CAC TCCAGCC	TGGGTGACAG	AGTGAGACCC	TGTCTAAAAG
160141	AGATAAGTAA	ATAACAAC TT	TGCATTTTCT	GCCACATTGC	AAAAATGGTGA	GAGAGTGGTT
160201	TCTAGACTCT	AGACTCTTTT	TATGATTACC	TTCTAGTTAT	GAGATCCTAC	AACACTCACC
160261	TAACCTCTCT	GTGTCATATT	TCCTCCTCTA	TAAAGCAAAA	ATGCCCCATA	TAGAGAGGAC
160321	TGTGATATAA	AACAAGAACC	AAGAAAAGTA	AAGCTTTTCT	AATCTGTCAC	AGACTAAAGA
160381	GTGCTCAGTA	TATGTGAGTC	ATTATTCCCTG	GTGCTGGTAG	GAGTGTATGT	TACAAC TTTG
160441	AGTCAAGTAA	TATGGTACCA	TATATTAAAGA	TTAACAACAA	CCTCGGCAAT	CCCAGTTTGG
160501	GGTATGTTCC	CAAAAGAAAT	GAAAGCACCA	GGATATAAGG	ATGCATGGAC	TAGAAAAGTTA
160561	TTGTAGCAAC	ATTGTAATAA	CTAAGTTCTA	AAAACAGCCT	GAAGCTCCAT	CAGTAGGGAT
160621	ATGGTTACAT	ATATTTATTA	TATTTCTTATG	GAATATTAGA	CATAAAAAGT	AACGAGTAAC
160681	ATAGAAGAGA	CAGTGTATAT	ATGTTACGTT	TGTACAAACT	TAGGGAAAGA	TATAGATCAC
160741	CCTACCTAGA	GAAGTCAGAT	TGGAGAGGGG	TGGGAAAAAC	CTTGAAC TTT	CTCCTTATAT
160801	CCTTTATATT	GTTTGACTGA	TTAAAAATGTA	TTTGTGTGCAT	CTGCTTGAAG	GCAATGTAAA
160861	ATAAAATAAA	CATACATTTA	AAAAATAAAA	TAAAAATTTAT	TCCTATCACT	TTTGTAATAA
160921	AGCTGGGCAC	AGTGACTAAC	ACTTGTAATC	CTAGCACTTT	GGGAGGCAGA	GACAGGCAGA
160981	TCACCTGAGG	TCAGGGGTTT	GAGACCAGCC	TGGCCAACAT	TGTGAAAACCC	CATCTCTACT
161041	AAAAATACAA	AAATCAGCCA	GGCATAGTGG	TGCGTACCTG	TAATCCACG	CTACCCGGGA
161101	GGCTGAGGCG	CTGGAACCCA	GGAGGCAGAG	GCTGCAGTGA	GCTGAGATTG	CGGCACTGCA
161161	AGCCAGCCTG	GGTAACAGCG	AGACTCCATC	TCAAAAAAAA	ATTTGAAAAA	AGAAAAATTT
161221	TAATAAACAG	TGTTTAAGAG	GGGAGAAATA	TTTAGTTAAA	AGATAAGCCC	ATTTAAGAAA
161281	TAGTTTCACT	TGACCCGGAA	GGCGGAGCTT	GCAGTGAGCC	GAGATCGCAC	CAGTGCACTC
161341	CAGCCTGGGC	GACAGAGCGA	GACTCTGTCT	CAAAAAAAA	AAAAAAGAAA	GAAAGAAAGA
161401	AAGAAATAGT	TTCACTTGAA	CCATATTATG	ATTCTTTCTG	TAAAAGATGA	GAGTAGGCAA
161461	ATTGACTCAG	TGAAATCCCA	GCAAACTTAA	CACAAAAGTCT	TGTTCTTCCT	TCCTGTCATC
161521	TGTATAGGAT	GAAATACAGA	GTGCTTTTGG	GTTTTGTTGT	TGTTTGTGTT	TGTGTATTTG
161581	AGGGGAACAC	AGGTCTATAA	TTCTTTTCT	GAAATCCCTG	GAACAAAATG	GGCTTTGCCA
161641	TTCAAATTAG	TTTAGAAGTT	ATAAAGGCAA	AAAAATGCAT	ATACTCTAAA	GTTCAACCCC
161701	ATCATGGCCT	AAGGCAGAGC	CCTGTAATCA	AATTCATCAA	TATATCTGCA	GCAAAACATT
161761	TATTCAAATT	AAGTGGGATA	AATAAAGACT	TTTAAATAGT	CTCATCTCAG	TGCCGTTTCA
161821	GGTTGGCCAC	TGTGGAAGAC	AGACTCAAGG	GTGGCCTTCT	ATGATTCTCT	CCTCTTGGTG

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161881 TTCACACCCCT CGTAAAATTC CTTGTCTTTG AGTGTGAGCA GGGCTTATGA ATTGCTTCTG  
161941 ACCAATAGGA TATGGCAAAG ATGATGGGAT ATAATTTCTA TGATTACGTT TCATTATGTA  
162001 AGACTCCATC TTGCTGGCAG ATTTTCTCTA AAGAGTCTGT CTCTTGAGCT CTCTCTGAAG  
162061 AAATAACTGG CCATGTTAGA AGCCCATGTG CAAAGAGCTG AGGGGTGGCC TGTAGAAGCT  
162121 GTGGGCAACC TCCAGCCAAC AGCCAGAAAT AACCAGGGCC AAAGTCCTGC AACCATCAGG  
162181 AAAGAAATTC TGCCTGCTAT CTCAGTGAGC TTGGAAGTGG ATTCTTCCTT AGCCTAGCCT  
162241 CCAGATAAGA ACACAGCCTG ACCAACACCT TAACTGCAGC CTTATCAGAC CCTAAGCAGC  
162301 AGGCCCAACT AAGCTGTGCC CAGATTCCTG AACCACAAAA ATTGAGATAA CATATCAGTG  
162361 TTGTATTAAG GTTCTAAATT ATGGTAATTT GTTTGTACTA ATAGATAACT AATATAACCA  
162421 CCAAATCATT TCAGGTTAGG CCAGATTTTT GTAGCCAAAT GAATCATGAT AAAACTTTCC  
162481 ATTTTCAGGG GTTTTTTTGA TTTTGTACTT ACGGATACAA ATTTGTGAAA GTATAGTCAG  
162541 CACTGATTTA AAAAATCAAG GGAGCAGGAA ACTCAGTAAA TGGTTCCTAA ATTTTGGAAAT  
162601 CTGTAAATTG GTTGTAACAT TTGTCATCTG TGTATCTTAA GTCAAGTTCC TAAAAATAGT  
162661 GAATGATAGG TTATCATACT CACCTACTTT TCTTGCATTG CTCTAAGAGT TGGCTGAGCT  
162721 ATTGATAATA AACACTATGA TCAGATCTAA TACCATGATG TGCTATTATG ATCATGTGTC  
162781 AGTCACAGGG CTAAGCACTT TGTACATGTT GATGCATTTA ATTTTGATGA TAACTCAATG  
162841 AAGTAGGAGC TGTTAATATT TTCATTTTTT AGAGGGGGAA ACCAAGTCAC TTGGAGTAAC  
162901 ATGGCTAATA AGTGAAAGAA TAAGAATTTG AAAGGTTTGC ACAGATAACC AGAATGCAAT  
162961 GCTCATCACA TTCACTGAGC AGTGAATCAT ACTAACTAGA GAAAGTATGA AAGCTCTACT  
163021 GAAATTAACCT AAACAACCTC TCTGGCTGTG AGCCTGCCAA GGGACAGGTG GTAAACTTGG  
163081 TTAAGTCATA AGGCCCTTTC TATCCACAGT ATTCAGGAAT TCTTTAGTGA ACATACCTTG  
163141 ATGACTCCTT AACATTTTCT TCACATCGAA GTAAAGCTTG GAAACATTGC ACATAGTATG  
163201 AAGTTCCAAG GAGACAGCCT CTGATGTTTC CAGCTTCACA GCCCAACTCC TAGAATAAGC  
163261 AGAGGCGAGA GATTTCTTCA GAGGTGCATT CCATTCATTT CTATATACGC ACACCCCTCC  
163321 CCTCCTGCAT TCAAACAGGA CTTACCTGCT CAAAGTGTC TACACATTTCT ATAAAGAAAC  
163381 AAAAAGAAAA GGTGAGCATG GGAACATCGG TATTTTCATG GGCTTGTCAT GCAGGGCTAT  
163441 TCTTCTTTGC TTTACCCGAA AAAGTAAAGA GAGTTACCTT AGTCTTAGTC TTAGATATTG  
163501 ATGGATACTC AAACAAAGTA ATTCCCACCA GTCTTAGGTA TTGATGGATA CCCAGATGGA  
163561 ATAATTCCTA CCAGCTTCTG GGAGATTCAG CATGGCAGGA TGTTTATCAA CATTTGCATC  
163621 TATTCTCATC CTTGCTGAAG TCTGAGGGCC AGGAGCTTTG TCCATGCTCC CTCTGTAAGG  
163681 ACTAGCTTTT GGTGATCGGA TTTCTTTCAC AGTGAGCCCA GATTAGAGAA CACTTATCAT  
163741 AAAGGTCCTT AGTGGTGAAT CTGTGCACAG CCCTGAGACT GGGCCACTGC CACTAAGATG  
163801 GTGGTAGCAG GTATCACACA GTGGTAAAGC AATCATGCTA TACACTCAGC CTTACAGTAT  
163861 AGTCACCAAT CCTGTTAGTT AGAACCAGAA TTAATGGCTC CAGATGTTTA TCTTCCTACA  
163921 GATAAAGCTG TAGATTGTAC CATAACAGCT CTGGAGCAAG GGTTCTACAA GCAAAATCAGG  
163981 GAAAAGGTTA TCACTCATTT TGGCTGCCCC ACTTCATCAC CCATCAGTCA CCTAGTGGAG  
164041 TATTTTCAGGA GAGAGTCAAC AACCAGGGTT CTCTGCACAT GGGCCAAGGA GGCAAACAGT  
164101 GGTAATGTTT ATCCCGTGGT TTCATTTGGC CAAGCTGTGT TCCCTCAGAA GTTTATTTTTT  
164161 CTAATTGACA TAAAGGTACC CTATAAATTA GTGAAGGCCA GCCTGATGGC ACTGATGTAC  
164221 ATCTAAAAGA AACATTACTT TATCTTCCCA TGCTTCTTCA CCATTCCTCT TTAATAGCAC  
164281 TATAACATAC CTTTTTTTCCC TACTCCAAGT ACACAGCCTC ACCTGCAGCA ATTTCTGGGC  
164341 TGAGCCCTGA CATTTTTTCCT CCAGTTCCAG GATGTGGCTC TTGAGTTTCT TGCTCTTCAG  
164401 CCCCAGACCA GCCTCATAGT CCCTCAGTCT ACTCAGAGTC TGTGTGTTCT CTTTCTCCAG  
164461 CCTCCAGAGA TAAGACTTCT CTTCTCATG TAGGAAACAC TGGAGATTCT TAAAGTCAGA  
164521 CCGGATTTTT TGTCTCTGAA TCTGTACCTT CTCCTGGAGT CAAGAAAGTA TGCTCAAAAG  
164581 GTGGAAGTAA ACCAAATGTC CATCTATGGA TGAATGGATA AACAAGAATG AAAGTCTGAC  
164641 ACACGCTACT ACATGACAAG CTTTGAAGAC ATTCAAGCAA AATAAGCCAG AAACAAAAGG  
164701 GCAAATATTG TAAGACTTTG CTTATACAAG GCATCTGGAG TAGTTAAGTT CATAGAGACA  
164761 GAAAGTAAAA TAGTGGTTAC AAGGTGTTGG CAAGACCAGA AAATGGACAG TTATTGTTTTA  
164821 ATGGGTAGTG AGTTTCAGTT TAGAAGATGA AAGATGAAAC TGAGTTGCAG TTTGGAGATG  
164881 GGAATGGTGA TGTTTGCACA ACAATGTAAC AATGTAAAAG CACTTAATTC TACTGAACATA  
164941 TATACTTAAA AGTGGTTAAA TGCTTAAGTG TTATATATAT TTTCACACAA ACACACACAC  
165001 ACACACAATC AGCCACTGGG ACATTATTTT CTCATGAGTC ACTGAAGCTG GAAGAATGTC  
165061 CCCAGTTTCC TGCTGCAGAG TCATGTGTGG GAGGCAGGCA CTCAGATGTG GAAGAGGTTG

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165121	CCTCAGATTC	CTTATAGTCA	CCCAATTAAT	TTTCTTGTTT	TTCAGCCAAG	ACACAGGAGA
165181	AAGCTGGGTT	AGGAGTGCCT	GATAATTTAA	TTGTGAAACT	AGGGCCAAGT	TCAAACACTT
165241	TATCAGTTAC	AAGGATAAAA	AGAGGTTTTT	ACTTATGATT	TAAGAACTTA	GATTTCTGAG
165301	TTGGAGCGAT	TTTCTTGAAG	TAAAAGCTTA	TAATGAACAT	CACCCAGACT	GGATTTTAAG
165361	ACAACCAGGC	TGGTAAGAGG	GTCCATAATT	CCTGGCAGGG	GGAGCTTTGA	GTGTGACAGG
165421	CATTTATTAT	GGTTAACTGA	GAAATACTGT	TCTACTACCC	TAGGGTCATC	TTAAGCATTC
165481	CTATGTGTAA	GACTGACAGA	AATCAAGTGA	AACCTCTCAT	TGAGGAGATG	TAAAGTTGCA
165541	ATTTCCATTA	GTGCTGTCTA	AATTAATGCA	GTGGGAGTGT	GTATTCAGGG	CAATTTGAAT
165601	CTATGTTCTT	GGATTGCAGT	CTTCAAACCT	GGCCCAAATA	AACCTCTCTAC	TTATCTTAAA
165661	AAAATAAAAA	TTAAAAAATA	AAAATAAAAT	CATACAGTGT	TTTGATGACT	ATGATATAGA
165721	AGAAGGGTCT	TTGACTTAGG	ATGAGGTGGA	ATTTTTGTGT	AGGAGACAGG	TGCAGCTTTA
165781	ACTCTTGAT	AGACGGGTTT	TCATATATGT	TAGTTACAAT	CAAGGTCTCT	CCCATTGCCC
165841	AAGATCCTAG	AAATGGGGGA	AGTAAGAGTG	TACTCAGGAG	CTCAAGAGCA	ACATCCACAA
165901	ACAAAGATCA	GGGTAGAGGT	TAGAGAGGAC	TCCTGAAAGA	GAGAAAATTG	GTAATCAGCT
165961	TGTGGGATTT	TACTGCAAGC	TAGTGAATTA	TATAAATATA	AAGATTGGTG	CAAAAAGTAAT
166021	TGTGGTTTTT	GCCTTTACTT	TAATGGCAAA	GACCGCAATT	ACTTTTGCAC	AAACCTAAAT
166081	ATTTCCATAA	AAGAATGTGG	CTCTGATAAT	GTGGAGGTTA	GTCAGCCACG	GAAATAATCT
166141	GAAAGTTTGT	AGTTGCAAGT	GTGTAGGTTG	TTGCATTACT	TGTGATGTAC	TTATAAATCA
166201	AGTATAGGCC	GGGTGCAGTG	GCTCACGCCCT	GTAATCCCAG	CACTTTGGGA	GGCTGAGGTG
166261	GGTGAATCAC	GAGGTCAGGA	GATCAAGACC	ATCCTGGCCA	ACATGGTGAA	ACCCCGTCTC
166321	TACTAAAATA	CAAAAAATTA	GCCAGGCATG	GTAGCACATG	CCTGTAATCC	CAGCTACTCA
166381	AGAGGCTGAG	GCAGGGGAAT	TGCTTGAACC	CGGGAGGTGG	ACATTGCACT	GAGCTGAGAT
166441	CGCACCATA	CACCTCCAGCA	AGACTCCATC	TCAAAAAATA	GTAATAATTT	AAAAATAAAT
166501	AAATAAATAA	AGTATATTTT	TTTCATCAGC	TTTCATGAGCT	TGAGTAGTAT	GAATTTCAAT
166561	CTGGAGTGAT	CCTGTTTTCT	AAGTGTTCAC	AAAGCTTGGT	TTCTGTACCT	GTAAAGTTGA
166621	GAGCCAGATG	CTCCACTGTG	GTAAAAGTGC	CAGGGTAATG	AGTTGAGGCC	TGCAAACCAG
166681	GTATTATTTG	AGGTATTTAA	AGTTTGAGAC	CCACTCGATG	CTTTTTCTAG	GTAAATAGTC
166741	ATACTAAATC	TGCTTCTTCT	GACTGAAGTA	TCAGGAATCC	CAGCCAACTA	CAGTTTAAAG
166801	ATGGAAAGAT	TGGTGCCTAA	TACTCATGGA	TGTAAACCTG	GAACCAGGGG	CATAAGTACA
166861	AATAATGGTT	TCTTCCCTTG	GTTTCATTTT	TTCAATCTGG	TTTGTAGAGA	ATAAATCCTC
166921	ATTGTGCTTT	TCCTCAATCA	TCCCTATGCT	CTAAGCTCTA	GAATGGAAAA	TAGCTTGAGA
166981	TCAATGAAGT	CAGATTCCTA	CTTTCCATTT	AGTTATTCGC	ATTGCTGTGG	ACAGCTTCTG
167041	CTCCGTACAT	CTGTCTTCAA	GTTGCTTCAG	TTTTGTGACA	GCTTTCTGGA	GCTTTTCCTG
167101	AAGGAAAAAT	TTGATAAGTG	AAGCCTATTC	AATTTGACTC	TTTCATTAGG	ACCTAGGGGG
167161	AATCCCAATC	TTCTAAGATA	TATTTGAATA	ATAGTGAATA	TTTATAGAGT	CCTCATTTGT
167221	TTTTTGCTAGA	GAGCATGCTA	AAGGCTATAT	GTGCAGGAAC	ATACTGATCC	CCTTGCCAAC
167281	CCTGAATAGT	TGGTAGGATT	TTAAACTTCA	TTTCTGTGCT	GTAGAAAATG	AGACTAAGAA
167341	AGGGGTAAAA	TAACCTTGCCC	AAAGGGCTAT	GACTGCCAGG	TGGTGGAGCA	ACAATTGCAA
167401	TCTCATCTGC	TGACCCAGAG	CCTGAGCTAT	GTCCACCACCT	AGAGTCCTGC	CAGGAAAAAG
167461	TTGGATATAG	AACAAGGTAA	TCATCATCTA	AAAGATTTTG	TAAAACAACA	TGCTGAACCA
167521	AGCAAAACCA	ATACCAGTGT	TTGGCACACA	TGAAATTTTG	TGCTTTATGA	GTCAGGAAAA
167581	ATCAGGATGC	CAGCTGGTTA	TTAGAAACAG	TTTCATGGAAG	AGGGGAATTC	TGGTATCTTT
167641	TGAACAATGG	TATCATGAAT	CCAATTTAAA	ATGATTTAGT	ATTCATGTCA	AGCTTTTAGC
167701	TTATTCTTCA	AAACAGTTTC	TCATATTTCT	ATTGAAAGTG	ATTTGAAGCT	GACCCAAATT
167761	GCTAATTGTA	GTCAATGCTG	AAAGAATTGT	CTCCTGTCCCT	CTGTAAACCC	AACAAGTATA
167821	CTCATTTCAT	CTCGAGTGTT	CTCAGGAAAA	GGTTCTATGT	AACCTGTTTA	GCAAAAGATG
167881	ACATTGTCTT	TACTATATGC	CAAGTGCTAT	TCTATGCATT	CTATATTTTA	ATGTCTCTCA
167941	AGCTTATAAC	CACCTCCTGT	GTATGTGTTT	TAGGGAGGGA	GGACACTGCT	ATTATCCCCA
168001	TTTACAGATG	GAGAAACCAA	GGTGTGAAGA	CATTAAGTAA	CGTGCCCAAA	ATTGCCCATC
168061	TAGTAAGTGA	CAAAACTCAA	TTTCAACATA	AGCTGGTTCC	TTTTCTTACT	ACTTGGTGGA
168121	AAAGTAATTC	AAATGGGAAT	ATGATCATCG	CAGTTATTAG	CTGCTCCATG	GAGTTTAAGG
168181	AAGAGCTGCC	ATGAGCTGAG	TGGTGGTCAT	GATTGACATG	TCCTTAGAAG	GACTTAGAGC
168241	CTTCATACAA	GACCACCTCT	GCCTCATGGA	GGACAGAATA	AGGAGCCTGA	CACTGGAGAC
168301	AACATTTTCC	TCAAATTTAG	GCAGGACAGA	GAAGGAAAAA	GGACATCAGG	ACTATGCCCC

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168361	TTCTTCCATG	CTGCCAACAG	CAAAGTCCCA	CCTTCCTTAA	TATGCTTTTCT	GGCAAGAAAT
168421	CTGGATGGTA	CACAAAACCT	CTCCCTCTGC	TTCACCTTCC	ACAACCAAGC	ATTTCCAAAT
168481	CTTTGACTCT	TCTTCCTGAA	TCGTGCTTAA	AATCTGCCCT	CTCCTCCCTT	TCTTATACGG
168541	ATAGTTTGAA	TTTTACTCCT	TGATATTCCT	TTTATCATAG	ACATGCCACA	GTAGCTGGGC
168601	ACAGTGGTTC	ATGCCTCTAA	TCCCAGCATT	TTGGGAGGCT	GAGATGGGAG	GGAGACCAGG
168661	GGTTTGAGGC	CAGTATAAGC	AAGAAAGGCA	GACCATGTCT	CTACAAAAAA	TAAAAAAATT
168721	ATCCAGGTAT	GGTGGGGCAT	CCCTGTAGTC	CTAGCTACTT	GGGAGGCTGA	GGTGGGAGGA
168781	TTGCTTGAGC	CCCAGAAGGT	TGAGGCTGCA	GTGAGCCGAG	ATTGCACCAT	TGTACTCCAA
168841	CCTGGGATAC	AGAGCAAGAC	CCTACCTCAG	AAAAAAAAAA	AAAAAAAAAA	AAAGTAGAGG
168901	TACCAGAGTG	ATATTTTCAA	TGCTACTGAC	CCTTCATTCC	CCAAATGAAA	ATCCCCCAAT
168961	AGGTGTTCAA	TTTTTACGTG	TCCCTCAGGA	GTTACTTCTA	AGATGAACCA	CTCTCTACCC
169021	TAAATGTCCC	TCCCCACCAC	CAAAACCAGG	GACCTCCAGG	CAGACATTTT	TGATGGTTTTG
169081	TTTTCTTTAC	TAGACTGTAG	ATACCTAAAA	GGTGATGGGT	CTTTCTTTCC	TGTTTTCTCAGG
169141	CCCTACTGCA	TGGCTTTTACA	TATTGTGGTT	TTTCAAATGA	TATTCATGGT	GTGAAACAAG
169201	AAAAAATGCG	GGTGTTTGGT	TTGAGAACAA	CCTGTCTTAA	AGCAAAAAGA	AATTCATCAT
169261	AACACAAATG	GATAGAGATA	AGAGTCCAAC	CATCCCATTG	AAGGTCAGGA	TGGACAGTCT
169321	AGATAATTGA	GCAAGAAATC	ATCATAAACT	ATTTTTTCAGA	AGAATGACAT	GATGAAAGCT
169381	GTATTTCCAA	GTCATAATGT	TAGGTTTCAA	GTTAAATCAT	CTCAGCTCCT	GGGGAGCAGG
169441	ATAAGACTTG	GTACTIONTACC	AAGCTCCCGG	GCCCACACAC	TCACCTTGTA	GCCCTGGCAT
169501	ACGTCTTCAA	CAAGAGCTGT	GGTGTGCCCT	TTGTGCTGTG	GTGCCCCTC	ACAGCGCCAG
169561	CAGATGAGCT	GCCCCCTCATC	TTGCGAGAAC	AGGTGGAAC	GCTCTCCGTG	TTCTTCACAT
169621	GACATTTCTT	GATCCGTCTC	TTTGAGGGCT	TCAATGAGGC	TTCCCAGCTG	CTTGTGGGGT
169681	CGGAGGCTAT	CCATATGAAA	TGGAGCCCGA	CAC'TGGGGAC	AGCAGAATGT	CTCCTGCCCTC
169741	AGTTGCTTTT	GGCTTGGGTT	TTTAAAGAAG	TCTGTTATAC	ACAAGTGGCA	GTAGCTGTGT
169801	CCACAGTTGA	TGCTTACTGG	GTTCGTCATC	AGGCTCAGGC	AGATGGAGCA	GGTGGCTTCC
169861	TCCATCATCT	TCTTGGTGTG	GGTGGTTGAG	GCCATAGCTT	TTATTGAAAA	GCTCCAATAT
169921	TGGCTCTAGA	GATGGAGATG	AAGCAGCCAG	AATTTTCCAC	CGTGATGAAA	ATACACCTCA
169981	CCTGCACCTC	TATGTGATGA	CTGGCTGCA	ACTGACTTCC	ATAGGCTCTT	AAGGTTTTTCC
170041	TTCCAACCCC	TATTATCTCA	TTTTGTATTG	AAGAAAAGAG	GACCTAAAAA	GAAAGAGTTG
170101	AGGCTGAGGT	TGTTTGGGCC	ACGTTTGAGA	ACTGCAACCC	AAGTGCAGAG	TTTCAAGTTG
170161	CCCTCATTAG	CAAGCAGTTA	CAAGTGGTTG	TTTAGAGGAA	AAAAAGCAGT	TTTAAAGCAG
170221	TTTTAAAGTT	GTTTGCCAAG	AATTTACATT	AAAATAGCAT	AAGCTTTTGA	CTGGCTATAC
170281	ATTGTTCTTT	GTATTACAAA	TCTCGGGAAT	ATGTAGGTAA	TAGATGAGGC	AGCCAGTCAG
170341	GAACAAAATG	CTTTTAAACA	TGGGGTCTTA	ACTGAAGACC	TATACTCCTG	CCTCACTTGT
170401	CCTGATAAAT	TTTGCATACC	TCACATAGCT	CAGACTGCTC	TAAATTATTT	CATTATTTTT
170461	CTTTTCTCAG	TCTTCTAACT	TTTTTTTTTTTT	TTTTTTAATGA	GACGGAGTCT	CACTCTGTCA
170521	CCCAGGCTGG	AGTGCAGTGA	CGCTATCTCG	GCTCACTGCA	CCTCCGCCTC	CCGGGTTCAC
170581	GCGATTCTCC	TGCCCTCAGCC	TCCCGAGTAG	TAGCTGGGTC	TACAGGTGTG	CACCACTACG
170641	CCCAGCTAAT	TTTTGTATTT	TTAGTAGAGA	TGGGGTTTCA	CCATGTTGGT	TGGCTAGGAT
170701	GGTCTCGATC	TCTCGACCTT	GTGATCCACC	CGCCTCAGCC	TCCCAAAGTG	CCAGGATTAC
170761	AGGCATGAGC	CACCGTGCCC	AGCCTCTTTT	TCTTTTCTTA	TAAGACAAAGT	TCTCGCTCTC
170821	TTGCCCAGGC	TGTAGTGGAG	GGCAGTGGCA	TGACCACAGC	TCAC'TGCAGC	CTCGACCTCC
170881	TGGGTTTAAAG	CAATCCTCCT	GCCTCACCTT	GGCAGAGTGG	CTGGGACTAC	AGGTATGTGC
170941	CACCATGTCC	AGCTAAAGTC	TTCTCTCCAG	AAAGAAGAAA	TGCATTGGAA	TTTAGAGGAT
171001	ACACAAACAT	CTAGCTGTAT	AGCTAATACA	GTAGCCACTA	TCATGAGTAG	GAATTTAAAT
171061	TTAACTTAAT	AAAAATTAAA	ATGAAAAAAT	TCAGTTTTTC	TGTTCCAGTT	GCCACATTTT
171121	GATTGCTTAA	TAGTTGCATG	TGACTAGTGG	CTACATAACA	GCCTCAATAT	ACAACATTTCT
171181	GTTATCACAG	AAAGTTACCT	TGGACCAAGT	GCTGGGAGAA	GCAATGCAGG	CTTCTCACA
171241	AAAGCTGTAA	AAGAGAGAAC	TCAGGGAGTG	TGAAACTCTT	TCCTATTCTA	GTTAACTTCA
171301	AGAATAATTG	TTACCAGGCC	AGCACGGTGG	CTCACGCCTG	TAATCCTAGC	ACTTTGGGAA
171361	GCCGAGGCGG	GCAGATCACC	TGAGGTCAGG	AGTTTGAGAC	CAGCCTGACC	AACATGGCAA
171421	AACCTCATCT	CTACTAAAAA	TACAAAAAAGT	TAGCTAGATG	TGGTGGTGCA	CACCTGTAAT
171481	CCCAGCTGCT	CAGGAGGCTG	AGGAAGGAGA	ATGACTTGAG	CTCCGGAGGG	GGAGGTTGCA
171541	GTGAGCCAG	ATTACACCAC	TGCACTCCAG	CCTGGGTGAA	AGAGCGAGAA	TCTGTCTTAA

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171601	AAAAAAAAAA	AAAAGAATAA	TTGGTACCAG	AATTACTCTT	TGTAATTAGT	AGTAACACTT
171661	ATGCAATTGG	GTGATCTGTG	ACAGATTCCA	TTGAAGGAGT	ATGGGGAGCT	TCACCCCAAT
171721	ATATGACTCC	CTGGTATAAT	GAGTATTTTG	AATTAAAGGC	CCTTAGAGAT	CAGCAGATGC
171781	TGGAAGAGAC	TTTTCCCCTA	TCTACATAAA	GACCAGTCAC	ACTAGACAAG	AAGAACAATT
171841	GTTTTTCCTT	CCAACCCCTA	TTATCTCAT	TTGTACTGAA	GAAAAGAGGA	CTAAGAATGT
171901	AACCAGACCT	AATCAGACAC	TTTCACAAAA	TAATGTCTGT	CTCTCAGGCT	CATTCATTTT
171961	CCAAAGAGAA	CCATTTACAA	GTAAACTCT	GTTCCTCCAT	TCATTTCATCC	TCCCAAAATAT
172021	TCATTTATTC	TCCCTAGTAA	TCATTTACTG	CCCCTCAAAG	AATTACCTAT	ATTCTCCTGA
172081	TATCACCCCT	CCCCCTGAA	ATAAATATGT	ATACATGTAT	AAACGTTATA	CATACATATT
172141	TATACAGTAT	ACATACATAT	TTATACATAC	ATACATATGC	ATACATATTT	ATATTTATGT
172201	ATTTATACAT	AAGTATTTAT	AAATAAGGCT	ATATAAGTAT	CTACCCCAT	TGGCAGAGGG
172261	GGTAATCACT	CTGTGATTCT	AGCCCATGTA	CCTGTTAATA	AATTTGTATG	CCTTTTCTCC
172321	AATTAGCCTG	CCTTTTGTGA	GTCGATTTT	CAGTGAACCT	CAGAAGGCAA	AGGGGAAGTG
172381	TTCCCTTGGC	TCCTACACCA	TCATGACAAT	AAAATTTGAC	TCCACCTCGA	CCCCCCCCAT
172441	CCCCACAAA	GAACAACAAC	CAACACTGGT	TAATAAGGTC	GGTTGTTTTT	TGTTTGTGTT
172501	TTTGTGTGTT	TTGTTGTTGT	TGTTGTTTTT	GCTTTCAGGA	GCAGAGGTAT	AATAGGCAAA
172561	AGAAAGAGAA	AGGAGAATAG	TGAATACCTC	TTCTGCAGAG	AGGGGTGCCT	AAGTGGGACT
172621	TCCCTGGCTA	ATAACGTCTT	GCTAGAGACC	CAACCAGGAG	GATAATGGAA	GCAATCAAGG
172681	CAACCAGAAC	AACCAGAAGA	ACCAGTTTAT	CCTTTTTGTG	CCCTCTCCCT	AAACTGAGGG
172741	AATAAGAATT	GGAAAGAAGG	CTGCAGAGCA	GAGGGTTTGC	TCCTGAGGAG	CAGTTATTTTC
172801	TATGGGATCA	GAGCTCCTGC	AGAAC'TGGGG	AGTTTACTTT	TACTATCTCT	TCTCCAGGAC
172861	AGGACCTATC	TCAAGAGACA	TGTTTCAGAGT	GATTGCAACA	TAAAGAGTTT	GCAGACCCAA
172921	GGAGGTAGGG	AAGGCAGAAA	GAAGATGGGG	GAGGCCAGGG	ATAGGCAACA	GAGGAGTGAC
172981	CAGGAGCGAA	AAAGCCTGCC	TC'TTCTGAGA	ACCTAGCTGG	GCTCTCCCTG	TACCCCGGAT
173041	CCCTCCCCC	CGCCCGCCCC	CACACCCCTA	CTCCTGGGAG	CTCCTCTAGG	ACAGGGGCAG
173101	AGCTCAGGAG	AAGTTTGAAG	AGTGCCTAGA	ATAAAAACA	GTAATTTAAC	TACAATTACC
173161	GGGTAGGCTG	TTTTCTCTCT	ACAATTTGAT	CAGTCTCTTG	AAGCCACACA	GAATTTCTTC
173221	TGAAGACGTG	TATTCCTTGG	CAGGCTATTT	CCTCCAGTGA	TACACCAGGC	CCCTCTCTGC
173281	TGGGGTCACT	GCTCTTCTGG	GGAGATGGGG	CTCCCCCTCT	TCCAAGGCTC	CAGGGTTCTCT
173341	GTCTTGGGCC	CCACTCATCT	AAGTTC'TGAA	TCTTCTGAGA	TTTGGTGTAA	AGTCTGGTGA
173401	AAGAAAGAGC	AGGAAAGAGG	TGAGAGCTGT	AAAACAAAGA	AAGTCCTGAC	CATTTTTCAGA
173461	GTTGGAGGGG	CCCTGCTGTC	ACGAAATATA	TTCCCCACCC	CACTTGCCAT	CAGTACACAC
173521	TCACATATCC	ACTGAGAAAA	CCTTAGCCTG	GACCTTTTCC	GTAACCTTCA	CTGCTCAGAC
173581	ACTTACATAT	TCGCTGCTAG	TCCCTCTGT	TGCTGCCACT	TCCTGGGTCA	GGAAGTTAAC
173641	TCAGACCGGA	TTAAACTGAG	AAGTGAACT	ACTGTGGGAG	GCGGGGCTCA	TAAGATTTAG
173701	GAGAAAATA	GTGACGTTGT	TCATATCATT	TGCACTCCGC	CTCTCCGTA	AAGGAGGGG
173761	AAACGTAGGA	AGAAAATATC	CTTCTTTTAC	AGCAATAAAA	AGAAGGAACC	AATTAATAAC
173821	CCTGTAAACT	ATCATGTGAC	CCCAACACAG	AGTATCTAAA	AACAGGAAGC	CTGCAGAGGT
173881	TCAGTTCACA	GACTCTGATT	TGAGATCTTT	CTACTTTTGC	CACCAACTCC	CTTGGGAGTC
173941	CTTAAGCCTT	CCTAGCTGAT	GTTACTTCTT	TTGCTATTTA	TGGGTTGCTT	GTGGTTCTAT
174001	AACTGCTCTG	AAGGGTGTGG	TGGA AAAAGG	GGTGGTAACA	GCAGTAGGAC	TCATTGGCAT
174061	CACAAAATTC	ATCTGAGTCA	GCTTTCATAT	CTTCTCTGTC	CCGTTCTGTG	TCTTGTTTTT
174121	CTCCTTGCTG	TCCTTCTGCA	GGACTCAGAT	CTTCTTCAAT	AGCGAGGGTC	AGCCAGGATA
174181	GAAAATGGGA	GTCACTAGTG	CCCCAGCAGT	GAGTGCCCCC	AGCTTAGAGC	TGTGTGGGAT
174241	CCCTGGGACC	ATCACTCTGC	TTTGTGCTTT	GTGGAGAAAA	GGCTGTGGGG	TCCAGGGTCA
174301	AGTCCTTAAT	GACTTAGCTC	CAGCTTCTCC	ACTTCAAAAT	GAAAGGAAAA	GTACTATCAC
174361	CACCCGTTAG	AATTATTATT	TCATGGGGAA	AAAAGATGGA	TTACTATCTC	ACAATAAGAG
174421	CTTGTACAT	TTATAAGTCT	CAGGTGTAAG	AGGCATTTAT	GATAACAACA	TAATAAATGC
174481	TGGCTTAAGT	AGATGCAGTG	GTCCAAGGGA	ACCAGTAAGG	GGAGCTCAGG	ACACAGGTGG
174541	GAGGAGAAAT	TAAACTTGAA	TTCTGGGAGC	CACTGGCCTG	TCTGGGCCCC	TGGCCTGCCT
174601	GCTGACCCTG	ATAGCCAATG	GAACATGGAG	TTTGGCCCAG	CTGCAATCCC	TCTGGTCCAA
174661	CTACTCAAAA	TAAAGGCAAG	ATTGGGAAAC	ACGTTCTTTT	CTTCTTATAC	CAAGCAGAAG
174721	ACTCTTCAGC	ACTGCACCC	CCTGGGTGCT	CACAGAGCCT	TCTGTTGTTT	TGCCACCTAC
174781	GATTTCATCAT	GCCCTGGCAT	GATGGTTGCA	GACCCCATGC	ATAGCATGGG	ACATTCTACT

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174841	CCTGAGGCAA	CCAGCACACA	GAGAGAGGAG	AAAGAATGAG	CCCCTGAATC	CTTGGTCCCA
174901	CGATGAGTCC	TTGCAGATAT	CTACAAC TTT	CATTGTTGTG	GATGTGACTC	TGTACCCAGG
174961	CATGGCTCAT	TCCAGATCTG	TCCATATGTC	AGAGGTGTTT	AAACCAGAAT	GACTCCATTT
175021	TGAATGGGGG	CTAGGTAAAA	TAAGGCTGAG	ACCTACTGGG	CTGCATTCCC	AGGAAGTTAG
175081	GCATTGTAA	TCACAGGATG	AAATAGGCAG	TTGGCACAA	ACACAGGTCA	TAAAGATCTT
175141	GCTGATAAAA	CAGGTTGCAG	TAAAGAAGCT	GACCAAAAAC	CACCAAAAATC	AAGATGGCAA
175201	CAAGAGTGGC	CTCTAGTCAT	TCTCATTGCT	CATTATACAC	GAATTATAAT	GTGTTAGCAA
175261	GTTAGAAGGC	ATTCCCACCA	GCTCCATAGT	GGTTTATAAA	TACCATGGCG	ATGTCAGGAA
175321	GCTACCC TAT	ATAGTCTAAA	AAGGGGAGGA	ACGCTTG GTT	CTGGGAATTG	CCCACATCTT
175381	TCCCAGAAAA	CATATGAATA	ATCCACTCCT	TGTTTAGTAC	ATAATCAAGA	AATAACTGTA
175441	AGTATCTGTA	TTAGTCCATT	TTCACACTGC	TGATCCAGAC	ATACCTGAGA	CTGAGTAATT
175501	TATACCAGGA	AAAAATGTTT	CATGCTCTTA	CAGTCCCACG	TGTCTGGGGA	GACCTCACAA
175561	CCACAGCAGA	AGGCAAGGAG	GAGCAAGTCA	GGTCTTACAT	GGATGGCAGC	AGGCAAAGAG
175621	CTTGTGCAGG	GAAATTCCTT	CCTATAAAAC	CATCAGGTCT	CATGAAACTT	ATTGACTATC
175681	ATGAGAACAG	CAGTATAAAT	TACTCAGGGA	AAGACCTGCC	CCCATGATTC	AATTACCTCC
175741	CACCAGGTCC	CTCCCACAAT	ATGTGGGAAT	TTAAGATGAG	AGTTAGGTGG	GGACACAGCC
175801	AAACCATATC	AGTATCCTTA	GTCCAGAAGC	TGATGCTCTG	CCTGTAGAGT	AGCCATTCTT
175861	TTATTCCTTT	ACTTTCCTTG	TTTCACTTTA	CTGTGTAGAC	TTGCCCCAAA	TTCTTTCTCA
175921	CACGAGATCT	AAGAACC TTT	TCTTAGGGTC	TGGGTTGGGA	CCCCCTTTCT	GGTAACACTA
175981	TCAAAGGATC	AGGAAAAGGA	AGCTAGTGAA	TGCTAAAAAG	GAAACAAACT	ACCATTACCA
176041	ATAATAACAG	CAAGACAAAA	GCAAAACGGA	TTGTGACAGC	TGTCCCATCT	CACACCTGTT
176101	TCCCAT TGCA	GGAAGGAGGG	GCTGGTT CAT	GCACAGAGTG	GCCAATATTA	GAAGCAGAGA
176161	GGGGGTGCAG	ATGAGACTTC	AGGAATATGT	TGACAAAAGC	AGGCCTAGGG	AGAAATCAAC
176221	CTGAAC TATC	CCCAAGGAGG	AATGCATTAT	CTCTAATATG	TAAAGTTAGG	CTTGATCCTG
176281	TGATTATGGG	ATATAGGAGT	CCAAAGACTC	ACAATGGGAA	GTAGGTCACT	AGAGTCTCCT
176341	TCAGAAGCTC	TGTACTGTGT	GTTCCTCACT	TGGGCAAGAG	TCAGCACTCA	GCTATTCCCT
176401	GAATGCC TTT	CCTCAACTCC	TTTCAGATTTT	GCCTCTCAAC	TAACCTATCT	CTGACCACTT
176461	GTTAGCAAGT	GTACCCCTCT	CTCCCCTCCA	AACATTTTCA	AATCTATTTT	GTTCCCATGG
176521	CAC TTATCAC	TGAATATTTT	ACTAATTTAT	TTTGTTTAGT	GTTTGCTTCC	CTCATGAGAA
176581	TGCAAAGGGA	TGGATTTTTT	TCAATATTTG	TCACTGATGA	ATCCCAGTAA	CTAGAAATATT
176641	TCTAAGCATA	GTGATGTGCA	TTAAATCAAA	GAGTAACTTT	CTGAATTGCA	CTAAACACAC
176701	ATCACAAGAG	GTGTGTGCAC	ATATGTGCAT	GATGCACGTA	GTGTGGTGTG	GGTGTGTGTG
176761	GGGGTATGTG	GTACTGTGTG	TGCTGTGTGT	GGTATGTGAT	ACATAGTTTG	TGTTAGTGTG
176821	ATGCATGTGA	TGTGGTATGT	GTGTGCGTGT	CCATACATAT	TAGGGGTGGC	GGGGATGTTA
176881	ATATGTCAAA	TGGTACTAGA	AAGTATCAGA	ACTCATGGTG	CTTACTGGTT	TCCCAGAGAG
176941	CTGCTTCTCT	CCCACCTGTA	GGATATACTG	ATGGTTTGGA	CAGAGAAGAA	ATAAAAAGAA
177001	GGCTGTGACC	TACTGGGCTG	AGGAAAATAA	AACGAAAAGT	AAAGAAAGAC	TGGGAAAAGA
177061	GAGTGGAGGG	GCCAAGGGAA	ATTTCCCTTT	TGGCTTCTGG	GGAAACTTTG	CTGAAAAATC
177121	AACTCACAAA	TTTATTAACA	TGTACACAGG	GAGAACCAT	GAATGATTAT	CCACTTCCCA
177181	AGAGGGCTTA	AAAGCTTATA	TATTTATCCT	GCAAAACAGA	TTATGGGAGG	GGAAGAAGAG
177241	AAACTCTGTT	GATGGGATTA	CTGTTGCGGA	TTTTTGTCTC	TTCGCTCAGC	TAGGTCCGGG
177301	TTTTTGTCTC	ACAGCCAGGA	AGAATTAGGC	ATGCAGCCAT	CAAAGAATGA	GTGGAGTAGA
177361	ATTTATTAAG	TGAAAGGAAA	GCTCTCAGCA	AAGACAAGGG	TCCTGAAAGC	AGATTTCTGG
177421	TTTGCTCTTC	ACAGTTGAAT	ACTAGGGCTT	AAGACTCAAA	TTCTTGACAA	CTCCACCCTG
177481	TCCTACCAGT	GCATGCAGGC	CTTTAGACTG	AGCTACTCCA	TATTGATTAA	TTTCCGTGAAC
177541	TGCGCATGTG	TTAAGGAAAG	GAATCATCCA	CTGCAGGCAT	GTTTAGGCCAA	GCCCCCTGTG
177601	CAAGTTCCCT	TATCTGCACA	AAACATCCGG	TGTAAGCACT	TGTGGGGCAG	GTCAGAGGTT
177661	CTCTGGGTAC	CATTCCCTTA	CTGTCTGCC T	AAAGCAAGCT	GGCCAACTCC	TTTCATTACT
177721	AGGGAGAGTA	AGTAGATCAG	GGAACAGAGA	TTAACTTGAA	CATTATCTTG	TGAAAGTCCG
177781	TTCGGGCATG	GTTACATTCT	TGGTCTTACA	GGAAGGGTAA	ATAAAAAATA	TTGCTCTTTT
177841	TGGTGGGTCT	GGATCTTAGG	TAGATAAAGA	AAC TTTAATT	CCACGATGTG	TTTTGGTAGG
177901	GATAGTTGGT	GGCAGGGATG	TCAGAGAGAC	TTTGAGGCTT	CTTCAGTTCA	ATATGACCAA
177961	GGGCCATATA	TTAGGGTATC	AATTTCTGAG	CCCCAACAA	AGCTTAGGAG	AGATGTGATA
178021	GCATCACAGT	GTGAAAGCAA	TTTTTTGTCT	GTTTTTTAGAG	ACAGGCTCTT	GCACTGTCAC

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178081 CCTGGCTGAA GTACAATGGT ACGATCACAG CTCACTGTAA TCTTGAAC TG GTTCAAATG  
178141 ATCCTCCCAT CTAAGCATTT CAAAGTGTTG GGATTACAGG CATGAGCCAC GGTACCCAGC  
178201 CTGAAACTGC ACCCACTTTC TGATAAACTT TTCAAATGAC TAAAGGGGAG AGAGTAAGCA  
178261 CTACTCAGAG GTAGGAAGAA AGGACACAGG ATTATAGGAT TAAAACAACA ACCACCAAAA  
178321 AAAACCAGAC CGGTGTGGTG GCTCACACCT GTAATCACAG CACTTGGGGA GGCTGAGGTG  
178381 GGGGGAGTCA CTGGAGGCCA GGAGTTCGAG ACCAGCCTGG CCAACATAGC AAGACGCTGT  
178441 CTCTATTAAA AAAAAAAAAAT ACCTGCCTTG AGCTAATCAG AATCATGGAC CCTGACAAAG  
178501 GATGTCCCAA AGTAAGTCTT AGCATTTTTT TTTTTTTTTT GAGACAGTCT CGCTGTGTTG  
178561 CCCAGGCTGA AGTTCAGTGG CGTGATCTCG GCTCACTGCA ACAGCTGCCT CCCAGGCTCA  
178621 AGCAATTCTC CCTGCCTTCA GCCTCCCAAG TAGCTGGGAT TACAGATGCC CACCACCAGC  
178681 CCTGGCTAAT TTTTGTTTTT TTTAATAGAG ATGGGGTTTT GCCATGTAA CCAGGTGGT  
178741 CTTGAAC TCC TGACCTCAAG TGACTTGCCC ACCTTGGCCC CTCCATAGT TCCGGATTAC  
178801 AGGCGTGAGT CACTGCACCC GGCAAGTCT TAGCATCTT TACAAACAGT TTGTACCCGT  
178861 ATCTCTAAAA GGGAGTAGTG AATTTACCCC CAAAATATGG CTTCTGTGATA TAATGAGTAT  
178921 TTTGAATGAA AAACCTCTAG AGATCAACAG ACATAAAGA GACTTTTCCC TAGGTACATA  
178981 AAAATAGGAT GGCCCCACCA GCGAGAACA TTGTTCTTTT CTCCCTCCCT GTTATCTCAT  
179041 TGTGCATTAT AGGAAAGACC AAGAATGTAA CCACACCTGA ACAGACCTT TTATAAGATA  
179101 ATCAGTCTCT AAGCATCAT TAAATCCAA GGAGAACTAT TTACAAATTT ATCTGTTCTT  
179161 TGATCCAATT AGTCTCTCCT GGTAAGTACA TATTGCCCCT CAACAGAATT CCTCTCTTTC  
179221 TGTTTCCCAT AACCTATTTT GCAAGGATCA AGCCCCGTGT ACTTCTTCAA CTTCAAGTTG  
179281 GCATATAAGC TTCTAAATTC CACTGGGATA TTGGTACTAT GTGCATGAGG AGAACCACAG  
179341 AGTAATTAAA TTGTAAAGCC TTTTATCTTA TGAATCTGCC TTTTTTTGTG TTCATTTTTT  
179401 AGCAAACTT CCAAGGGCAA AGGTATAAAA CAAAAATAAA ATTCTAAAGC CCCCCAACCA  
179461 TCTGAATAGA CTTTCTCTTC AGTCAGGCTT CTTAAATGT AACCTGAAAG ACTGGCTCAG  
179521 GCCATTAAAG GAAGTGGGGG TTGAACATGC CTCATTATTC CTCTCTGGCA TTAACATCAA  
179581 CACAGCTTTT AAGTCTGATA AGAAACATTT TACAACCTAT TCTCTCTGAA GCCTGCTAGC  
179641 TAAAAACTTC ATCCCATAGT ACAACTTTGG TCTTCACAAC CTGTTATCAC AACCTAGTGC  
179701 TCCTTTCTAT TAATCCCAA TCTTTATACA AACTCAACCA ATTGTCATCA CCTCCACCCC  
179761 ACTCCTCCGC TGCTTCCAGT TGTCCCGCCT CTCTGGACCA AACCAGTGTA CATTTCTTAA  
179821 ACGTATTTGA TTGATGTCCC ATGCCTCCCT AAAATGTATA AAGCCAAGGT GCATCCCAAC  
179881 CACCTTGAGC GCTTGTCTTC AGGACCTCCT GAGGGCTGTG TCATGGGCCA TGGTCACTCA  
179941 AATTGGGCTC AGAATAAATC TCTTCAAATG TTTTACAGAG TTTGGCTCTT GTCATGACAC  
180001 AGATGACTGC TTTACTGAAG CCTGCTCTGG AAGTGAGTGG GGGTTTTGCA AGGATAATTT  
180061 TCCCCGATA GCCCCAGAAG CAGCTAGTAA TAATACACTT AAAGGTAGCT AAAATGCATT  
180121 GAACACTTGT TTTGTGCCAG ACCTATGTCA ACATTTGCTT TGTGCCAGGC TTATGCCAGT  
180181 ACTCCTGATT TGTTAATACA TTCTAAATAA AAATCTGGA GTTTCAAATA TAATAACTGA  
180241 AAAACAGAAA ATAAATAAAA ATATATAATA ACTGAAATAA AAATTTACTA AGGCTGGGGA  
180301 TGGTGGCTCA CTCACACCTG TAATCCTGTT ACCGGAAAGG GGTCCGTCCA GATCCAGACC  
180361 CCAAGAGAGG GTTCTTGGAT CTCACACAAG AAAGAATTCTG GCGAGTCTG TAAAGTGAAA  
180421 GCAAGTTTAT TAAGAAAGTA GAGGAATAAA AGAACGGCTA CTCCATAGGC AGAGCAGCTC  
180481 TGAGGGCTGC TGGTCGCCCC TTTTATGGT TATTTCTTGA TTATGTGCTA AACAAGGGGT  
180541 GGATAATTCA TGCCTCCATT TTTTAGACCA TATAAAGTAA CTTCTGACG TTGCCATGGC  
180601 ATTTCGTAAAC TGTCGTGGCG CTGGTATGAG CATAGCAGTG AGGACGACCA GAGGTCACTC  
180661 TCATCGCCAT CTTGGATTGT GTGGGGAGCA GTGAGGATGA CCAGAGGTCA CTCTCATCGC  
180721 CATCTTGGAT TTGGTGGGGT TTAGCCAGCT TCTTTACTTT TTTCTTTTTT TTTTTTTTTT  
180781 TTTTTTTTTT GCCCAGGCTG GAGTGCAGTG GCACGATCTC AGCTCACTGA AACCTCCAAT  
180841 TTCTGAGTTC AAGCGATTCT CGTGCTCAG CCTCCCAAGT AGCTGGGATT ACAGGCATGT  
180901 GCCACCACAC CCAGCTAATT TTTTATATTT TTAATAGAGA CCGGGTTTTCG CCATGTTGCC  
180961 TACGCTGATC TCCAACCTCT GCGCTCAAGC CATCCAGCCA CCTTAGCCTC CCAAAGTGCT  
181021 GGGCTTATAG GTGTGAGCCA CCCCACCTGG CCTAGCCGGC TTCTTTACTG CAACCTGTTT  
181081 TATCAGCAAG GTCTTTATGA CCTGTATTTT GTGCCCCTG CCTGCCTCAT CCTGTGGCTT  
181141 ACAATGCCTA ACTTACAGGG AATGCAGCCC AGCAGGACTC AGCCTTATTT CACCCAGCTC  
181201 CTATTCAAGA TGGAGTCTTT CTGTTCAAA TACCTCTGAC AAGCCCAACA CTTTGGGAGG  
181261 ATGACACAGG AGGATTGCTT TAGCCTAGGA GCTCAAGACC AGCCTGGGCA ACACAGTGAG

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181321	ACCCCATCTC	TAAAAAAAAA	AAATACAAAA	AAATTAGCCA	GGCATGATGG	TGTGTGCCTG
181381	TAGTCCCTGC	TACTCAGGAG	GCTGAAGTGG	GAAGATGGCT	TCAGCCCAGG	AATTCAAGGC
181441	TGCATTGTCA	GAGGCATTTG	AACCAGAATG	ACTCTATCTT	GAATAGGGGC	TGGATAAAAT
181501	AAGGCTGAGA	CCTGCTAGGC	TGCATTTCCA	GTATGTTAGG	CATTCTTAGT	CACAGGATGA
181561	GATAGGAAGT	CAGCACAAGG	TACACATCAC	AAAGACCTTG	CTGATAAAAT	AGGTTGTGGT
181621	AAAGAAGTTG	GCCAAAACCC	ATCAAAAACCA	ACATGGCCAC	CAAAGGGACC	TCTGGTTGTC
181681	TTCACTGCTC	ATTATATGTT	AATTATAATG	TATTAACATG	CTAAAAGACA	CTCCTACCAG
181741	CATCATGACA	GCTTACAAAT	ACTGCGGCAA	TATCTGGACT	TTACCTTATA	TGGTCTAAAA
181801	GGTGGAGGAA	CCCTCAATTT	TGGGAATTGT	CCACCCCTTT	TTTGAATGTC	TCATGAATAA
181861	TCCACCCCTT	GTTTAGCACA	TAATCCAGAA	ATAACTATAA	GTATGCTTAT	TTGAGCAGAC
181921	CACGCTGCTG	TTCTGCCTAC	AGAGTAGCCA	TTCTTTTATT	TCCTTACTTT	CTTAATAAAC
181981	CCTCTCTTGC	TTTACTGTAT	GGACTTGCCC	TAAATTCTTT	CTTGTGTGAG	ATCCAAGAAC
182041	CCTCTCTTGG	GGTCTGGATC	AAGACCCCTT	TCTGGTAACA	TCTTTCTGGT	GACCACGAAG
182101	GGACAATACT	GAGGAGACTC	TGAAGCCAAA	GGAAACAGAC	TACAGCACCA	ACTGGCTGAC
182161	TTTGGGTAAAG	TGGTGGAGTC	CCCGGGTAAA	GGATAGGATT	GGGTTAGAGG	TGCAACTTAG
182221	GGGAGATAGG	GTCTCTCCTA	AGACAGAGAG	CGTTTCAGTC	CGCTCTTAAT	AAAGGGCAAG
182281	AATGCTTGAC	CGAACTTGGG	TTTGAGACCC	AACTTAGGAA	GGCTACAGTC	CTTAAGATTT
182341	AAGGGGTTAG	AGGCCCTCT	CAGTAAAGTC	TCTCTTGGTT	AAAAACGGAT	TTAGCATTAG
182401	GGGATGTTAA	CTGCTATTCT	GTTTGTATTA	ATCTTCCCTG	TGCTCTTTGC	TGACAGCTAT
182461	GGGTGACAGG	ATTAGGCATG	TACAGGATCA	CGGGACATTG	GGAACCTTTC	TTCTCTCCAA
182521	AAGGGGAAGC	TTGACAGCTG	ATAGGACTGT	TGGAAAAGAT	CCCTTTGCTA	TGACAAGCAG
182581	CCGCTGAAC	TTTTGATTCA	GTGTTGCTGC	AATGGGTGGG	TCTTTCTCTG	GCCTCTGTGA
182641	ACTCCTCACC	TTCCCCACCT	CACCACAGGC	AATGCTTTTC	TCCCTTTCTC	TCTTTTCTCT
182701	TTTCTGTCTT	TTCTGTACT	TGAGACAACC	ATCTTGCCCA	GAGACCATAT	GTTGAAACTC
182761	CTGGTCAGAA	GTTTGATTAA	AGATGAAAGG	GCCTATCTGG	GGGCAAGTTT	GAGCCTTCCC
182821	AGTTAGATAT	TGGGTGCTAA	GTGGAGTGGC	CAATGTCTAT	GTTTTGTGAC	ATGTATATTG
182881	CTCTGGCTGA	AATGGAAAAC	GTTAATTTGG	TTACTTTATG	TGGCCATTGG	GCAGCATCTT
182941	ACAAAAGTGA	GAGACATTTA	TTTGCCCTGTG	GTTCCATGAA	ACAGAAAAAA	GTTGGTTTTTC
183001	CTTTGTGTCG	TAGCTTGGAC	CCAAGGGCTT	TGCAGTGAGC	AAGGTTGCTA	CGCTGTCTCA
183061	GTGAAAGAGA	ACCCAGAAAAC	CTGGCATGCC	AGCAAAAGGG	TAAAGATTTT	TTACCAGTCA
183121	GGCTTCTGGC	CTCTCTCTCT	TAGTGAAAAC	TGAATGAATG	GTAAAAATCA	CTGTTTATCA
183181	CCTCTGTAAA	GTTTTGATTA	ATGGGAACAA	GGATTTGTGG	GGCTAGTCTT	AAGCTGTAAT
183241	GAATCTGGTA	TACTTTGTGA	TATCAATTTG	TCTTTCTGTA	TTACTCTGTC	ATAAAGAGGA
183301	ATATGGTAGG	ATAGAACATG	GGCTTAGGAC	TCCATAAGCC	TGCTGTTCAA	GCCAGCCCAG
183361	TAAACTGGTC	CGTTGCAAAG	TTTATTACAG	GTCCCTGGAA	AAAAAAAAAA	TTAAAACTG
183421	GATGAAGTTT	CCTTCTCATC	TTGTTTTATG	TCCTTTGGAG	CTTCACCTTG	TAACCACGTG
183481	GCGGTACTTT	CTCTTGGTCT	CTGCCATCCA	GGGAACAGGA	ATTTTGGGGT	TTATGTAATA
183541	GTTAACTCTA	AAAATTATCT	CAAGCCATTG	CAAGCTCAAA	ATTGGCTGCT	CTGGACCCCT
183601	TCTGGGAAGG	GCAATGGAAA	CTAACCAGTG	TTGTAGCTCA	GCAGCTAAGG	ATTTGTGATT
183661	TTATAATGGC	GGCCAAGGTT	CAATCCTGGC	TTAGGGAATG	AGTACTTTCT	GATTGATATC
183721	TGTGTGACCT	TTACCATTTG	TTGATTCTGT	TCTCTTCCCC	TCCACACACT	GTCTTGAGTT
183781	TTCTCTCTCT	TGAGAACCTG	GGAGATTATC	TTTGGTAAAG	TTCAAAAGCC	AGAAATAATG
183841	GCCGTGTGGG	ATGGCTAAAG	TTGAGTAATA	AGAAACTTAA	AAGGACTCCT	TTTTTTTTTG
183901	CTTTAGAGTG	CTATGGTTTA	TGGTTAAAAG	CTTAATTAAA	AGTGGATATT	CAATCTCTAA
183961	AAGCCTGGGA	CTCCTTGGGA	AAAGCAGAGG	AGGCACCACA	GACCCCATTT	TGGGAAAACC
184021	TCTGTTTTCC	TCATGAAACC	CCAGGAAGTG	GAAGTGGATA	GATCCTTCGC	AAAATCTAAG
184081	GCTCTGTTTG	GCTTTGCATT	ATGTTATCTG	ATGTTTTTGA	CTTTTGGGGG	TATCAGAAAT
184141	TACTTTGCAT	TATGAGGGAG	ATCTGGTGTG	TAATAACCAG	GTAGGAAATA	TACTTCTGGG
184201	GATAGCTAAA	GGCAAATATA	GGTGAATACT	TGGCTATTTG	CACTTTTGGA	TCACAAGAAG
184261	CATTCTCTTG	ACTACCTAGA	AGGTATGGAA	ATGTCTCCAT	CCCCACCGAG	AGATAAGATT
184321	CCCAGGGGAG	ATGGCTGATC	CCCCAAAAGA	GGGCTGATTC	CCTCTTTTGG	GATCCAGGAT
184381	CTGGTATAAA	AATGGGACCC	TGGCCAGGCA	CAGTGGCTCA	CGCCTGTAAT	CTCAACACTT
184441	TGGGAAGCCT	CAGAGTTATG	AATGTCTCAC	CATACTGACA	CTTTGTGACT	GAGCTCCTCT
184501	CTACCCCTGA	CACAAGAGAC	CCTAATAATT	AGACAGGAAT	ATCATTGCCC	CTATTTAGTC

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184561 TGAAGAAGTT ATAGAAGATG GATCTTTATC CCACTGCAAT CCTTAGGATT AAGGGTTCCTC
184621 TGGTAAAAAGG GAGTGGGAAA ATATGTTCAGA GGCATTTGAA TCAGAGTGAC TCCATCTTGA
184681 ATAGGGGCTG GGTAAAAATAA GGCTGAGGCC TGCTGGGTTA GGTTAGGCAT TCTAACCAGG
184741 AGTTTAGTCA CAGGATGAGA TAGAAGGTTG CACAAGGTAC CCGTCACAAA GACCTTGCTG
184801 ATAAAATAGG TAACGGTAAA GAAGCCAGCT AAAGCCCACC AAAACCAACA TGGCCACAAA
184861 AGTGACCTCT TGTCATCCTC ACTGCTCATA TACACTAATT ATACTGCATT AGCATGCTAC
184921 AAGACACTCC CACCAGTGCC ACGACAGTTT ACAAATACCA TGACAACATC TGGACGTTAC
184981 CTTATATGGT CTAAAACGGG GAAGAACCCT TAGTTCTGGG AATTGTCCAC CTCTTCTCTG
185041 AAAAATTCTT GAATAATCCA TTAGTTTAGC ACATAATCCA GAAATAACTA TACGTCTGCT
185101 TATTTGAGCA GTCCATACTG CTGCTCTGCC TATGGAGTAG CCATTCTTTT CTTTTATTTT
185161 TATTTTTTAG ATAAAGACTC GCTCTGTCAC TCAGGCTGGA GTCTGGAGTG CAGTGACGTG
185221 TTTTGGCTCA CTGCAACCTT CACCTCCCGG GTTCAAGCAA TTCTCTGCC TCAGCCTCCC
185281 AACTAGCTGG GACCACAGGT GGGTGCCACC ATGCCTGGCT AATTTTTGTA TTATTAGTAG
185341 AGATGGGGTT TCGCCATGTT GGCCAGGCTG GTCTCGAACT CCTGGCCTCA AGCGATCCAC
185401 TTGCCTTGGC CTCCCAAAGT GCTAAGATTA CAGGCATTAC CCACTATGCA TGACCCATTC
185461 TTTTATTCTT TAACTTTTTT TTGTTTTTTT GAGACAGAGT CTCACTCTGT CACCCAGGCT
185521 AGAGGCTGGA GTGCAGTGGT GCGATCTTGG TTCACTGCAA CCTCTGCCTC CTGGGTTCAA
185581 GCGATTCTTC TGCTTCAGTC TCCTGAGGAG CTGGGACTAC AGACATGTGC CACTACACCC
185641 AGCTAATTTT GTATTTTTAG TAGAGACAGT GTCTTGCCAT GTTTGTGAGG CTTGTCTCGA
185701 ACTCCTAACC TCAAGTGGTC TGCCTGCCTC AGCCTCCCAA AGTGCTGTGA TTACAGGCAT
185761 AAATCACTGC GCTCGGCCCT TCTTTACTTT CTTAATAAAC TTGTTTTTAC TTTACTGTAT
185821 GGACTAGCCC CAAATTCCTT CTTGTGTGAG TTCCAATAAC CCTTTTGTGT GTGAAAGAAT
185881 TTATGGCTGC TGTTCAAGCT GGAGCAAGCT GGAGCTCATG CTGCTGCTCA GACTGGAGCA
185941 TGCGTGATCT GTGATCCAG TAAGAGGATC ATGGTCACTC CAGCCTGAAC GACAGCATGA
186001 TATCTCATCT GTAAGAAAAA AAAAATTACT AGAGGGCTTT AACAGCAAAT TTGAGCAGCA
186061 AAAAGAAGTA ATCAGTGAAC TCAAAGATAG GTCAATTGAA ATGATCTACT CTGAAAAACA
186121 GAAAGAAGAC AGAATGAAGA AAAAGAAATA GAGCCTTAGA GACAGGGGAT ACCATAAGC
186181 ATACTAATAT ATGCATAATG GGACTCCTAG AAGGAGAAAA GTGAGAGGAC AGGGAGAGAG
186241 AATGTTTGA GAAATAATTT CTCAAAGCTT CCCATGTTTG GCAAAAAAAC ATTAACTTGC
186301 ATACATATTT TAGGAGCTCA ATGAATTCCA AGTAGGATAC ACTCAAAGAG ATCCATACCT
186361 AGACACATCA TAATCAGATT ATCAAAAGAT GAAGAAGATG AATCTTGAGA GCAGAAAGAA
186421 AGGAACAATT CATCACATAC AAATAGTACT CAAAAGATGT CTGGAGTAGG TATACTAATA
186481 TCAGACAAAA TAACTTTTAA GATAAGCATT GTTATAATAA ATAAAGAAAG GTATTTTGTGTA
186541 ATGATAAAAG TGTCAATTCA TCAAGAAAAC ATAACATTAT AACATACAT GCACCTAACA
186601 ACAGAGCCCT AATATTCATG AAACAAAAC GACAGAATTG AAGGGAGAAA TAGAAAATTC
186661 GACAATAATA GTTGAGAGACA TCAATACCTC ACTAGTTAGA CAAGATCAAC AAAAAAATAG
186721 AAGACTTAAC ACTTGAAAAAC ACCTAACCTG ACCCTAACAT AAATCTATAG GTCCTACAC
186781 CCCAAAACAG CAGAATAAAC ATCCTTCTGA AGCTCACATG AAACATTTTT CAGGATAGAC
186841 TGTATATTAC TTCATGAAAT AAGTCTCAAT AAATGTAAAA GGACTATAAT AATAGAGTAT
186901 ATATTCTCTG ACCAAAGTGG AATGAAGATA GAAATCAATA ACTAGGCTGG GCGTGATGGC
186961 TCACGCCTGT AATCCCAGCA CTTTGGGAGG CCAAGGCGGA CAGATCACGA GGTCAGGAGT
187021 TTGAGACCAG CCTGACCAAC ATGGTGAAAC CCTGTCTCTA CTAACAAAAT ACAAATAATTA
187081 GCCAGGCTCG GTGGCATCTG CCTGTAGTCC CAGCTACTCG GGACACTGAG GCAGGAGAAT
187141 CACTTGAACC CAGGAGGCAG AGATTGAGCT GAGCTGAGAT CGCGCCACTG CATTCAGCC
187201 TGGGAGACAG AGCGAGACTC CATCTCAAAA TTAAAAAATA AAAAGAAACT AGAAAAATAA
187261 GAACAAATCA AACCCTAAAGC AAGCAAGAGG AAAATGAAAA ATTTCAAAGC AGCCAAGAAC
187321 AAAAGGCACA TTATGTACAG AAGAACAAGT GTATAGATCA CATATTTCTC ATAGACACAA
187381 TATAAGCAAA AAGACAGTGG AGCAAAATTT TTTAGATTAA TGAAAGACCT ACAATTCTGT
187441 ACCAAGCAAA AAAACTCCCC CCAAATGAGG GTGAAATAAG ACAATTTAAT ACAGAGAAAA
187501 GAGGAAGGAA TTTATCTAGT CATATGTGAG AGTTTTATGA TACATTTTGT ACTGTATATG
187561 TGGATGTTTT CTATTTTCATT TAAAAAATCA ACCGTGCAAT TAAATGGTAG ATTGTCTTGC
187621 TTCTTTTTGA TTGACACAGT CATTAACTAA AATATTGTAG TATTTTTTTA TCTCCCTGCC
187681 TAAAGGCAAT AAACATCTAA TCAGCAGACT AGAACAATAA AAAATATTTT TTAAGAGTCC
187741 TTTAGGCAGA ATGATAAAAG TCCCTTAGGC ATATTGAAAT TCCTATTTAT ACAAAGGAAT

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187801 AAACAGTACT AGAAATTGTA ACTATGTGAG TAAACAGATA ATATTTTTTTC TCCATAAAAT  
187861 GTGGTTGACT ATTTTTCACAA AAATAGTTAA CAATGTAATG TGTGATTTAT AGCATTTTAA  
187921 AGTAAACAG GCCGGGCACA AAGGTTCTGT CCTGTAATCC CAGCACTTTT GGAGGCCGAG  
187981 GCGTGCAGAT CACTTGAGGA CAGGAGTTCA AGACCAGCCT GGCTAACATG GCAAAACCCC  
188041 ATCTCTACTA AAAATACAAA AATTAACCAG GCGTGGTGGT GCACGCCTGT AATCCCAGCT  
188101 ACTCTGGAGG CTGAGGCACA AGAATCACTT GAATCCAGGA GGTGGAGGTT GCAGTGAGGC  
188161 AAAATTATAC CACTGTGCTC CAGCCTAGGC AACAGAGCTA GACTCTGTCA CACACACACA  
188221 CACACACAAA AGAAAAGTGT ATGACAACAA CAGTGCAAAA GAAGCGGAAA TGAAAATAAT  
188281 GTTATTTTAT ATAAGTGGTA TACTTTTAGA TGAACACGA TAAATTAATG ATGTATACTA  
188341 TAAACTCTAA GGCAACCACT GAAATAATGA AACGAAGAAT TATGGCTAAC AAGCCACAAA  
188401 AAGAAATAAA ATAGAATGAG AAAAAATATT TAAGTTGTTT AACAGATGGG AAAAAAAGA  
188461 GGAAAAAGAG AACAAAGAAC AGATGGGACA AATGGGAAAG TAATAGCAAG ATGATAGACT  
188521 TAACCTTACC CATATAGATT ATCACACTTA AGGTAAATGA TCTAAATACT CTAATACAAA  
188581 AGCAGAGGTT GTCAGATTGA ATTAAAAAAA CAGACAACAA CAAAAAAAAG CAAAAAAGA  
188641 GCCACAACAT GCTGCCTACA AAAAATTCAC TTTAATATAA AGACACAAAT AGTCTAGAAC  
188701 ACCATCACTT TTAACCTTAT TTAACCAAC CTCCTAACTG ATCCCTATTT ATTTATTTAT  
188761 TTATTTTATTT ATTTATTTAT TTATTTTGA GACAGAGTCT GACTCTGTTG CCCAGGCTGG  
188821 AGTGCAGTGG CACCATCTAG GCTCACTGCA GCCTCTACCT CTCGGGTTCA AGCGATTCTC  
188881 CTGCCTCAGG CCTCCCAAGT AGCTGGGACT ATAGCACATG CCACCATGCC CAGCTAATTA  
188941 TTATATTTT AGTAGAGACG GGGTTTTGCC ATGTAGGCCA GGTGGTCTC AAACGCCTGA  
189001 CCTCAGCCTC CCAAAGTGCT GGGATTACAG GCGTGAGCCA CAGCACCCAG CTCCTCTTCA  
189061 TTTATCTTGT CTACGCTTCC TCCAATCCAT TTTGTGCATT TGATGATTTT GCCAGTAACT  
189121 TCTTTATTTT TCTGGTAAAA TTAATATGAG GTCAGTGGG ACTGGGATGT TCTTTCTTCT  
189181 AGAGGGGGTT TGTGTCTGCT TTTGCCAGGA AGCTGGGGTA CCACCAGTCA AGTATTACTT  
189241 TAAACTCAAT TCATGAATTG AGACTTTTTT TTTTTTTTTT TTTTTTACGC AGAGTCTTAC  
189301 TCTGTCAACC AGGCTGGAGT GCAGCGGTGT GAACATGGCT CACTGCAGCC TCAACTACT  
189361 GAGCTCAAGC AATCCTTCTG CCTCACCATT CTGTATAGCT AGGACTACAG GTGTGTGCCA  
189421 CCATGCCTGA CTAATTTTTT AAATGTTTTT TTTAGAGATG GGGCTCACTT TGTGCCCCAG  
189481 GCCGGTCTCG AGCTCCTGGG CTCAAGTGAT CCTCCCACCT TGGTCTCCCA AAGTGCTGGG  
189541 GTTACAGGCA TGAGCCTCTG TGGCTAGCCA AGACTTTTTTA TTTTTTAGCC TAAATGTGTA  
189601 TAAAAGTTGG CTTGTGGTTA CAACTTATCA GGATTGATGA TCTCTCTCTC TCTCTCTCTC  
189661 TCTGTCTCTC CCCACCTCTC TCACATCCCT TGCTCTGCTG AGAAGCAGAG CAAACATTCT  
189721 AGCAGTTTCC AGAGAGTAGG ATGGGATTAC TTCTAGTTTA CTTTTATCAT CTTTGGGAT  
189781 CGCAGTATTA CTGGGAGAAC ACAAGTATCT CTTATTAGAC ATACCACCTT TGTAGAATCT  
189841 GGACTTTCAT TTTAGACTTT ATTTGTTTTT TACTATAAGC AATTTAAGTT ACAGATCTCT  
189901 CTACACACTG TTTAAGTTGC ATCCCATGAA TTTTGATGTG CTTTATTGTC ATTATTATAT  
189961 AGTACAATGT ATTTTGTAAT TTTTGTGAT TTGTTTGGAG AGATTGATTA ATTAGAATGA  
190021 TGTTTAATTT CCAAATATGT GTGTTTTTTT CCTACATTTT TTATTTTAT TGATTTCAAA  
190081 TTTATTTCTA CTGTAGTCAG ATTTAATAAT TCATTTATTT TTATTATTTT CATTTTTTTA  
190141 GAGACAGGGC CTTTCTGTGT TGCCAGGTT TGTCCCAAAC TCCTAGTCCC AAGCAGTTCT  
190201 CCTGCCCTCAG CCACCCAAAG TGCTGGGATT ATAGGCACGA GCCACCCGTG CACAACCAAC  
190261 AATTCATTTA AAAAGTGGGC AAGTGAAGT AACAGACATT TCTCAAAAGA AGGCATACAA  
190321 TTGGCCAACA AATATATGAA AGAATGCTCA ACATCACTGT ATTAGTCTGT TTTCAATGCTG  
190381 CTAATAAAGA CTTAACCTGA GACTGGGGAA TTTACAAGAG AAAGAGGTTT AATGGACTTA  
190441 CAGTTCCACA TGGCTGGAGA GATCTCACAA TCATGGTGGA AGGCAAGGAG GAGCAAGTCA  
190501 CATCTTACAT GGATGGCAGC AGGCAAAGAG AGAGCTTGTG CAGGGAAACT CCCGTTTTTA  
190561 AAACCATCAG ATCTCGTGAG ACTCATTCAC TATCATAAGA ACAGCATAGG AAAGACCCGG  
190621 CCCATAATTC AGTCACCTCC CACTGGGTTC CTCCCAGGAC ACATGGGAAT TGTGGGAGTT  
190681 ACAATTCAAG ATGAGATTTG GGTAGGGACA CAGCCAAACC ATATAAATAA CTAATCATCA  
190741 GGGAAATGCA AATCAAAACC ACAATAAGGT ATCATCTCAC CCCAGTTAGA ATGGCTATTG  
190801 TCAAAAAAAC AAAAAATAAC AAATGCTGGT GAGGATGTAC AGAAGAGGGG ACTCTTATAT  
190861 CCTACTGGTG GAAATGTCAA TTAGCATAGC CATTATGCAA AATAGTATGG AAGTGAGGTA  
190921 GGTTACATAG GGTGGTCACA GCCTCCCTTG AAAGGAAACA AGAACTTGT CAAATTGATG  
190981 GAGAGAACAA ATCTCTTGAC ATTACACAAA CTGCATCTGG GGCTAGTGGT TAGAATATCC

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191041 TCAGTCAAGG AGGTAGAAGA GCAGGAGGGA AAATCCCTAA GTTCGTGCAA GTGCAGAAAC  
191101 CCACAAGCTG TGTTCTCAGG TTGACATATA CTCATTTTAA TAGTAAGAAA CACACCCTTG  
191161 GGTAGAGAAT TAAAAATGCTA ATAATACATG TGATGTATGT ACTAGCGTGT ATGGCAATAT  
191221 TGCATGCACA TTCAAGAGAC CACCCAAAAC ATATTTAACA ACAATGCCCA TTCCCACCCC  
191281 CTCATGGATA ATCACGTAGG ACTCCCATAA CGGGAGTTTC TTCAGTGTCA ATTGGTGTCTG  
191341 AAGTAGCCGA CCCTGACTCT GCTATCAGCG TGTACTTTCA CCTTGCAATA AACTCCTTTG  
191401 CCTACTTTTA CTTTGGACTG GCTTTCAAAT TCTTTTGTGC AGGGAATTCA AGAATCTGAA  
191461 CCAGCCCACT GACAACAGAG GTTCTCAGA AACCTAAAA TAGATCTACC AGATGAGGCT  
191521 GAAAATCTGC TACTGGCTAT TTATCCAAAG GGAAGGAAAT CAGTATACAA AGAGACACCT  
191581 ACATCCCAT GTTTATTGCG TCACTCTTCA CAAGAGCTGA TATATAGAGT CAACCCTAAA  
191641 TGTTCAATTAA CAGACAAATG GATAGAAAAT GTGGCATATA TACACAATGA AATACTATTT  
191701 GGCCATGAGA AGAATGCAAT CTTGTCAATTT GTGGCAACGT AGATGAAACT GGAGAACATT  
191761 ATGTTAAGTA AGATAAGCTA GGATTGGAAA GATAAAATACT ACATGTTATC ACTCATATGT  
191821 GAAAGTAGAG AAAAAATTTT AGCTCATGGA TTTAGAGAAC AGAACTGTGG GTACCGGAAG  
191881 CTGGGAAGGG TAGCAAGGAG GGGAGGATAG GGAGAGGTTG GTTAATGGTG ACAAATTAAC  
191941 AGCTAGATTG TAGAAATGAG TTCCGGTGTT CTGCACCATT GTAGGGTGCA TATGGTTAAC  
192001 TCTCATTTAT TGTATATTTT CAAAAGCTA GAAAAGAATT TTGAATACTC ACAACAAAAT  
192061 AAATGATAAA TGTTTAAGGT GATGGATATA CTAATTACTC TGATTTGATT ATTACACATT  
192121 GTGTACACAT ATAAAAATAT CACTCTTTAT CCCGTATATA TGTACAGTTA TTATATGTCA  
192181 ACTAAAAATA AAAGAAAAAA AGAATATGAT CTATCATGAT GTATATATCA TGTGTACTTG  
192241 AGCAAAATGT GCATGCAGAT ATTGTGTATA ATGTTCTATA AATCAATTAG CTCAAGATAA  
192301 TAGATAGGAT TGTTCAAGATC TTCTGTGTCT TTAATGATAT TTTGTCTAGT TATTGCATCA  
192361 TTACCAAAAA AAGGGTGTTA AACTCTCCAA ATGTGATTGT AGAATTGTCT ATTTTGTCTT  
192421 TTCTTTTCCA TTTTACTTTT ATGTATTTTG AAATCTGTGT ATGACATTTT GCTATGTATT  
192481 TTAAACATTC GTTATGTATT TTGAACTCT GTTGTAGAA TCATACATTT ATGATTATTA  
192541 TGTTTTCTTG ATGAAATGAC CCTTTCTAT TGTCGTTGTT TTTGTTTTTT CTGAAATGGA  
192601 GTCTCACTCT GTTGCCAGG CTGGAGTACA GTGGCACAAT CTTGGTTTAC TGCAACCTCC  
192661 ACCTCCTGGG TTCAAGCGAG TCTCCTGACT CAGCCTCCAA GTAGCTGGGA TTACAGGCAT  
192721 GTGCCAGCAT GCCAACTAA TTTTGTATTT TTATTAGAGA CAGAGTTTCA CCACGTTGGC  
192781 CAGGCTGGTC TCGAACCTCT GACCTCAGGT GATCCGCCCA CCTCGGCATT TTTATTTTAT  
192841 TTTATTTTCT TGAGACAGAG TCTCACTCTG TCACCCAGGG TAGAATGCGG TGGTGTGATC  
192901 TTGGCTCACT GCAACCTCCG CCTCCTGGGT TCAAGCAATT CCCATGCCTC AGCCTCCCGA  
192961 GTAGCTGGGA TTACAGGCAC ATGCCACCAT GACTGGCTAA TTTTGTATT TTTAGTAGAG  
193021 ATGGGGTTTT TCTATGTTGG CCAGGCTGGC AACTGACTCC TTTAACAATA CAAAATATCA  
193081 CTCTGTCTCT GGTAACACTC TCTGTCTTAA ACTCTATTTT AGCTGTTATT ATTATAGCCA  
193141 TTTTAGTCTT TTTATGCTTT CTGTTTGCAT AGTGTATATA TTTTAATATG TTTATTCTCA  
193201 AGTTATCTGT GTTTTATAT TTAAGATGTT TCTCTTCTAG CCAACGTGTT TGGTCTTGC  
193261 ATTTTAAAGT CGATTCTAAC AATCTTTGCC TTTCAATTGA AATATTTACA CCATTAACAT  
193321 CTAACATTA CATTTATTTT TCTTTCCACA GTACACTGGC TAGCATCTCC CATATAATAT  
193381 TGAACATAAA GTGTGATAAC TGACATCCTT ATTTCAATCC TACTCTGAGT GGAAAGGGCA  
193441 GGGGTGGAGA AAGCATTCAA CAATTTGCCA TAATTATAAT TCTTTTGTG AACTGTTTTT  
193501 CTTCTGCATT AAAAAATATC ATTACATTTT GCATGAATTA TTAGGAGAAA ATATTTTCCA  
193561 ATTTTCTTGG AAAATGCCAT AACCACGCTC CTCAATTTTG TTTCCATCTT TCTTCCACAT  
193621 TTTACATAAC CTACATAAGA GACACATTAT CAAGTATATT TTACATGGCT TCTCAGTGTC  
193681 TTCTCTGTCT GCTAACAGGT TTACCAAGAG ATGGCACTCT GTATTTCTG GTGGCTATGT  
193741 CCATATCGTT TTGCCTTTAA GACAGCGTAA CTACTTCTTT CACCAGTATT AAAGACATGT  
193801 ACATTTGATC TGGTTCTTGT GGATGATTTT AAATGACTCA AGCTAATAAT CCTAATTTTA  
193861 CCTAAACACT CCATTATTTT AAAATGTATT CTTTATGCC CACAATAAAC ATTTATTGAC  
193921 ATTAGGCTGG ACATTAGGCT TCTCTATGGC AGACATTAGG CTGGACCTTA GCCATATATC  
193981 TATTGAGGGA AAAAAATTA TTTTCTATAT AAGTTTCCAG AAAGCCAAGA TGTGTTTTAA  
194041 AAACAAAACA AAACATTACA TTCTAAATGC TGTAACAAGA TAAGAAAAAG TGTGAGGCT  
194101 GAGAGAAGAA CAAAGCAGCA AGCAACTCCT GGAAGGACCA CTGCTGCAGA GGTAAATACT  
194161 GGTGAACCAT GTTTTGGAGA AGGAAAAGGT CACCAAGAGA AGGAGGGGGT CCAGGGGTGTT  
194221 CAGAAAGATT GCATGCATAA AGATCAAGGG TAATAAAAAA AATTCCTGAT TATGTAAATG

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194281 TGAAGTTCCA GGACCATGAG CTTGGAGAGC ATGAAGTACA GGAGGAGGGT TGGTTTCAAA  
194341 TAAATCTGGG AATGAAACAG TGAAGCCTCT GGCAGAACTC ACATCTCTTT CCTCCCCCTCT  
194401 TCCTTGACACA TTCCCTTTTAT GGAGTAATTG CAGGGATGGG AAAAGTTCAA AACCACCACT  
194461 GAGCCTAGGA AGTGCTAGGG TAAAGTGGAG AATGAACCTG CGTGATTTGC TCATCCTAAA  
194521 CTAGGTTCTT CTAGGAGAGC CCTTCCCCAT AAAATCTGCC CTCCTCGAAG GGGCCCAGAC  
194581 AGCCTAAGCT CACCTCCCAA AGACCCCTTA CTTGCTGACT GAATCTGATT CCACCCAGAC  
194641 ATGGCCTAAA ACCCTTCCAT AACTCTATAG CCAAATTCAA TTTTAGACAG GCCTCATACC  
194701 AACCTTTCTT CCTCTAAGTC TGCCACCCTA GGCAATTCTC AACATTCTCT ACACACTTTG  
194761 GGGCCATAGA CGTGCTACCA AGTCTCCAGA CCTAGACCTG ATGGAGCAGT GCTGTAATGA  
194821 GACGACCACT GGCCTTTGAA CCAGACCCCTT CTCTGTGGCT CCTATGCATC TCCAACCTGT  
194881 TTTGAGCACT GCTGCCAAGA CATCTTTGGC ACTTTGTTGT GAAGTTTAA AACTGAACATA  
194941 ATCTACAAAA CACCTAACCT TTAAAAATTCT ATTGTCAATT CATATCATGA AAGATAAAGA  
195001 AAGGCCAGGA AACTGTTCCA GGTTAATAGA GACTAAAGAG ATAGCAACCA AATGCAATTT  
195061 GTGATCCTGG ATTGAGGGGA AAAAGTGTG TCAGAGACAT GATTGGGACA GCTGGTAAAA  
195121 TTTGAATTTG AATTTAAAGA TAAAGTATTG AGTAATATAG GAAGATGATT ATCTGCAACT  
195181 TTCAAATGTT TCAGTAAGTA TATATATATA TAAAGAGATA TAAAGACATA TAAATAAATA  
195241 GATGGATAGG TAGAGAAAAA GCAAATGTAT AATATTAACA ATCTAGGTAA AAAGTATATG  
195301 AGTGTTCTTT GTACTGTTTT TCTGATTTTT CTATATGTTT GAAATCATTT TAAAAAAGA  
195361 AGGTTTTTGG GGTTTTTTTT TTTGTTTTTT GTTTTTTAGAG ACAGCATCTT ATTTCTGTAC  
195421 CCAGGCTGTA GCTCAGTGGC CCAATCATTTG CTCACTGCAG CCTCAACTTC CTGGGCTCCA  
195481 GTAATTCCCC CTACCTCAGG CTCATGAGTA GCTGGTACTT CAGGTGTGCA CCACTGCACT  
195541 CAGCTAATTT TTATTTTTTTA AATTTTTGTG GAGATGGCAT GTTGCTATGT CACCCAGGCT  
195601 AGTCTCAAAC TCCTGCCCCC AAGTGATCCT CCCACTTTGG CCTCCCAAAG TGCTAGAATT  
195661 ATAGGCATGA GCCACTGCAC CCAGCCCCAA ATAAAAAAGT ATTTTATTTT AATTAACATA  
195721 TTAATTTTGA GTCAGAGTTT CACCCTTGTC ACCCAGGCTG GAGTGCAATG GCATGATGTT  
195781 GGCTCACTGC AAACCTTGCC TCCTGTGTTT AAGCGATTCT CTTGCCCTCAG ACTCCTGAGT  
195841 AGCTGAGATT ACAGGTGCC CTACCATTGC CCAGCTAATT TTTATATTTT TAGTAGAGAC  
195901 GGGGTTTCAG CATGTTGGTC AAGCTTGTCT CAAACTCCTG ACCTCAGGTG ATCCACCCAC  
195961 CTCGGCCTCC GAAAGTGTTG ATGAGCCACC ACACCCGGTC TAAAAAGTAT TTTAAAACCA  
196021 CAGTCCCACT CTACCTTGTC CTACACTACC AGGGGCTAGG ATCACCCCAT GTCTTCTAGG  
196081 CTATGAGATA GAGGAATCCA AGGAAGAAGA TAAGCTACTT GGTTCCTCTA TAGGGTCTTG  
196141 TGTGTGCTCT CATGTGCTCT CTCTCTCTCT CTCTCTCTCA CACACACACA CACACACACA  
196201 CACACACACA CACACACATG AATACCAGAG CTATCACTTT CCCAGTCTAG TACTCATCTC  
196261 ATCCCAAGGG TTTTGTGTTG TAGTGGTTTG CTCATTTGTT TGTTTTGTGTT GTTTGCTTGG  
196321 ATTATTCTTT TTCTCTTTTT GCAGCTGAAG GGAGAATTTT CAGGCCAGCC CTTTGGCCAT  
196381 TAGAGTTACA GTGCCTCTAT TCAGGCTTCA TAGAGAGACC TGGGATTCTG TAGTGGGGGG  
196441 CTTTATATCCA GTTCAAAATA ATGCATTCTC ACCAAGATGT ACTTTGAAAT AAAACAATAC  
196501 TAAAACACAA AATTTTATTT ATGCTGAACA TTGAATCACT TTTTCTGTGA TTTTGTGTAG  
196561 AAAGTTATAC ACACACAAAC ACATTTGCTC CTGCTTTGTT TATTGGCCCA GGGGTATGTT  
196621 TGGTAATACT TCATCAGGCA TGAGTAGTAC GTCTTGGAAG GTGTGGTCTA AAGCCTAGAC  
196681 TCCTATCTGC TTCCTTCAGC ATTCTCCAGT GTATCTGTCA TCTGTCTACC TTAGGATGGG  
196741 GTCTCCAGAA CTTCCATTCA CATTTAGAAG AGGGCAGCGG CTTTCTATGG AAAATATGAA  
196801 CTCTCATTCA TCTCTATTCC TTCTTCTAGC TATGGTCCAG CTCAGCTGTT TGGGAATAAAG  
196861 TATCTATATG AAGTCTGCGA ATGGTTCTCA GACTGGTTGA ACATTAGAAT CACCTGAGTA  
196921 CCTTCTAAAA TTCTTATTAC CCAGGGCATA TCTCAGAATG AGTACCACAG GGTAGGGATA  
196981 GGATTAGGGA TCATGATCTC TGGAGTCTGG TTTAGGCACT AGTGCTGTTT AAAACTACGT  
197041 TCATGAGGTG GAGGTTGCAG TGAGCCGAGA TGGCGCCACT GCACTCCAAC CTGGGCGACA  
197101 GAGTGAGAGT CTGTCTCAAC AACACAAAAC AAAAAAACC AACTACCCTT GTGATTTGAA  
197161 TGTCCATCCA AAATTGAGAA CCATTAGGTA AGGCCAAGCT GTATAATTAA AGAGCAGTTT  
197221 TCATTTGTCT GGTGTGGTGG CAGCTTTTTG ATAAGGGAAG TATTGTTGCC ATCCACATAC  
197281 CTGAGCCTCA CTCCTGAGAA CACTGGTGTG TATGTTGCTA AAATCCCCA GGTGATTCTG  
197341 AGGTTCTTTC CTGGATAAAA ACCACTGACC CTGGGAATGT ACCCACTGCC AATCTCCTGC  
197401 GTAAACCTTG GATACTGGGA AGCCTACAGT TGAAAATATT GGGCTTGAGA TCCTGAAACA  
197461 AATCTGTAT TTCATTAAAG CTAATATTTG GTACAGTGCA GCAAATCAAG GGAATTTTGG

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197521 TGGCTGAGTT CTTTTAGAAC TTTTGCATTG AAATAGGTTC AAGCAGCAAT AAGTTAAAC
197581 TACAACCTCA GCTAAAGGAT TAAAAGACAC GTGAGCTGGG TAGGATGAGG TCTAAGATTG
197641 GGTGTGGCGG CTCATACCTG TAATCCCAGC ACTTTGGGAG ACTGAGGTGG GTGGATCACT
197701 TGAGGTCAGG AGTTCAAAAC CAGCCTGGCC AACATGGTGA AAACCCATCT CTACTAAGAA
197761 TACAAAAAAA TTAGCTGGGC GAGGTGCCAG GCACCTGTAA TCCCAGCTAC TGGGGAGGCT
197821 GAGGGAGGAC AATCACTTGA ACTCAGGAGG CAGAGGTTGT AGTGAGCTGA GATCGCACCA
197881 CTGCACTCCA GCCTGGGTGA CAGAGCAAGA CTCCATTTAA AAAAATAATA ATAATAATAA
197941 CAATAATAAT AATTCAGACA TATCCAGGCA TCAAACAGAT ACCTGGGGCA GATGAATAGT
198001 CTTGAGATTC AAGTCACACA TGAAATTTAG GTGGAAAATG ACATTGGAGA AATTTGAGAT
198061 TATGATGAAT GGAAATTTTT CAAAGAGGAA TTTTCAGGCTC TGTTCCTTGAG GGGATAGATG
198121 GACTTCCAAC AGCAATAACA CAGGATTAAT GAGGACTTGG GATGTTACAT AAATTAGAGA
198181 TGTTAGATGG ATAAAGAGAT AAAAGTACTC TCTCTAAGAA CATGGGACCA GAGATAGGCT
198241 CACTTCTAAC CATCAGATAT AACTAGCAGA CTAAACGGTC TAAAAATAAA AATCATGCCC
198301 CACTCCTGCT TAAGACATTT TAATTACTCT CAGTAACTCT TCAGTTTTTTC TACTGTGTTA
198361 TCTTTAACTA CAGGGTTGGT CTGGGTGTGC AACACAAGAA AGCCTGGCAT ATACATGGAT
198421 TCAAGTGATG GCCATGTACA GGTATTTCTT CATGTACTAT TTCATGTATT CTTTTTCACA
198481 TCTGTTTTTT CCTTCATTGA AGTCAATGGC TGATATTAGA TTCTACTATT CATGTGTACT
198541 AGTTATATAT AATTGTTACA AAACAAATTA GCAAAAACTT AGTGGCTTAA AGCAACACAC
198601 ATTTATTATT ACCTAAGGTC TGTGGATAGA AGTTCTGACA TGGCTTAACT GGGTTCCTTG
198661 CTTCAAGCCT CATGTGGCTG CAATCCAGGT GTTGGCTGAG TCTGAATTCT CATCAGAGGC
198721 TTGATTGTGG AAATTTCCAC TTCCAAGCTC CCTCAGGTTT GTTGAAAAAT TCAGTTCTTT
198781 GCACCGGTAG AAGCTTCTTG GTAGAGGCTG ATTCAACTTC TAGAGGCTGT CTGCAGTTCC
198841 TGTCACCCAG GGTGGAGTGC AGTGGAGCAA TCATAGCTCA CTGCAGCCTT GACCTCCCAG
198901 AATCAATCTG TTCTCCCACC TCAGCATCCT GAGTAGCTGG GACCACAAGT GTGTGCCATC
198961 ACACCTGCCT AAAAAACAAA CAAACGAAAA AAAACCCCCA GAGAACTTTG TAGAGACAAG
199021 CTGGTCTGGA ACTCCTGCGC TCAAGCAATT CTCCTGCCTT AGCCTAAAAA TTCTGGGATT
199081 ATAGGTATAA GCCACCATAC CTGGCATATG GCAAGTCTTG AGCAGGACAA ATACAGATGA
199141 TTTATCTCTG TCTTCCATGG TATTTCTAGT TATTGTTGAG ATGGTCCTCT ATTGCTTTGT
199201 TCCATCTATT GATTAGATAA AACGTTGTTC CTTCTGTTAT TTTTCAACAG TAGCTTTTAT
199261 GTGTCTCTCT TTATCTTAAA ATTCTAACCA AAGAGCTGCT CTTTTCTTGG TGTACTTTAC
199321 CTTTGGTTGA TCCTTCTTAA CCTCTTCTTG CCCTCTGGGG CCTAAGATGA GGGCTGTTAT
199381 CAGATGTGAG TCTATGGGAA AGCAAGCAAG AGGTTCTTCA GCCTCCGTTC AGCCTTAAAT
199441 GTCTAGGTAG AAATCAGTCA TGGCCCTTCC AATGTGGTAC AGACCAGATC ACAGAGACAG
199501 GGGTCTCAGC CAAGGCTCTG TGGCCTAAGC CTTATAGAAA TAATGAGTGT TTACTIONT
199561 GGAGAACTCC CTTGGAATAT CTTTTTTTGT GAACCTGAGG CAACTTTTGG TGATTTCTTG
199621 ATGTCTTGGG AATCTTGGTC TAGAGCCATT TCAACCTGAT TTCTTTTCAT GTCAGTGGCA
199681 TTTTGTGACC AGATAGTAAA TAAGTTCTAT GATGTTCACT CAGAGAAATA CAATGACTTA
199741 TGATGTGAAG CTTCTGTGGT TCAGCCCTTA CTTCACTTTC ATTCCCTCTT ATCTGCATCT
199801 GTCTCCTGCT TGGGAACAAA AGTCTGGCTT CATTTCTATGA CCCCCACGTT GAGTTTCTTA
199861 GTAGCACTTA CTTTTCAATT AGGAGTGTCC TCACTTCTAT CCATCAGACA TAACTAGCCG
199921 ACTAAACAGT CTAAATATAA AAATCATGTC TACTCCTGC TGAAAAACAT TTAATTACTC
199981 CCCATCATTT AATTTTTTCT ACTGGGTAT CTTTAACTTC AGAGTTGGTC TTGTGTGCAA
200041 CACAAGAAAA CCTGGCATAT ACATGGATTC AAGTGTATGC CACGTGCATG TATTCCTTCA
200101 TGTACTATTT CATGTATTCT TTTTACATC TGTTTTTTCC TCTAAAATTT ATTTCTTTT
200161 AAAAATGAAA ATTTTGCATT TTGCTAAATT TGTCAAAATT AGTCAAATTT GTTTAAAACC
200221 ATTTTTTAAA TGTTCCTCGA AGTTTTGAGT GAAGTTAGTA CTTCAGAAAA ACTGTTTTGT
200281 ATTTTTCATG TGACCTCAGT GCACCTGCTG GCATTTCCAT TTCTGCGTCC ACACACATTT
200341 GTTTTGAGGA AATATAGGAA CGACAAGATA AAGTCAAGC TCCTGGACAT TGCATAAAAG
200401 ACCGTCATGA CCTGGTCTCG TTGACTTCCC TAGATTTCCC GCTATTTCTT AAGTTGAGAT
200461 TTTTGGTTTG GATGCTTTGT GTTTTCTTAA AATCAAATAA GGTTTTTGCC TTTTATGATT
200521 ATACAGTAAA TAAATGCTAT TTGTGTGAAA CTTTAAACAA TACAAAAAAA ACCTAAGGAA
200581 GAAAGTCAGA TTCATCTAAA AATCCTTGTG GCCAGAAATA ACTACCTTAG TTATTATTTT
200641 CTCTATCTCT CTCTCTCAAT GTATATTTGG TGTAGGTATA GGGGTGTGTG TAGTGTGTGT
200701 GTATGTATAT ATCTGTTTCT ATTCCTGTAT GTGGATGTGC ACAACGCATC CTGCTTTGTA

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200761	CACTACAGTA	CTAGCATTTT	TCTAATGTAA	TTCAATATTG	TTGAAAACAT	TTTAAAAAAG
200821	CTTGTATATA	TACACACACA	TACACATACA	TGCATGTATG	TACATATACA	CATACAGACA
200881	AAAATGTATC	CTATGTATAT	TCACACATGT	ATACACACTC	ACACGTACAT	AGAGTTTTAC
200941	ATCCATAGTT	TATAAATGTT	GCTTTTTTTT	GGTCACCTTT	TTGCTAAGTC	TTACACTTTT
201001	TTTTTTTTTT	TTGAGACGGA	GTTTTGTGTG	CATTGCCCAG	GCTTAGTGCA	GTAGCGCGAT
201061	CTCACCTCAC	TGCAACCTCG	ACCTCCCGGG	TTCAAGCGGT	TCTCCTGCCT	TAGCCTCCTG
201121	AGTAGCTGGT	ACTACAGGTG	TGCGCCACCA	TGCCTGGCTA	ATTTTTGTAG	TTTTTTTATA
201181	GAGACGAGGT	TTCAACCATGT	TGGCCAAGCT	GGTCTGGAAC	TCCTGACCTC	AAGTGATCTG
201241	CCTGCCCTCAG	ATTCCCAAAG	TGCTGGGATT	ACAGATGTGA	GCCACTGCAC	CCGGCCAAGT
201301	CTTACACATC	TTTTTTTTTAC	CACTAAACTG	TTTACCCAAA	CCTGATAACC	CAAGTCAACA
201361	GCTATTATGG	CTCACACAAT	CTTATGTAAA	CAAAGATACA	GATATATAGA	ATTTTCTTGA
201421	TTAATATTCA	GAAAAAAATG	GAGTCCCTTT	ATACGTCCTT	AGTATCTGCT	TTACTCATTT
201481	AAAAATGTAT	TACATTATAT	GAAAGTATTC	AGGTCAAATG	TTATAGATGT	GATTCACTCT
201541	TTTTAACTGT	GTTATTTTTTC	TGCAATGACT	ATGTATCACA	AAGTACTCAG	TCTTCCACTG
201601	ATGAAAATTT	GGGCTATTTT	CAGTTTGTCT	TCCATTTTTT	TTTCTTCCCT	TTGGATTTTT
201661	ACTCAATGTG	TTTACTAATT	TAGGAAGAAT	CAATAGTTTT	TATGGTATTA	CTTCTCCCAT
201721	TCAAGAATAT	AGCATATGGT	ATAGTATAGT	AGAGTACTTA	GTTTAATTTA	GCCAGATCCT
201781	GTTTTCTGCC	CTTTAATAAA	ATTCTATCAT	TTTCTGCCTT	TGAGTCACAT	TTTCCTTGTT
201841	CATATAATTC	TTAAAAAATG	TATAGTTTTT	ATTCTAAGGG	AACATAAAAA	CTTCTTTCCA
201901	TTTCTATTCC	TGCTTAGTTA	ATTCTACTAT	TGGGAAAAGT	AACTGTTAAA	AAAAATTCTT
201961	ATCTTTCCAG	TCAGTTCACC	ACATTTCCCT	TATACCTTTG	TACTTTAATC	CCCAGTCATG
202021	TTGAACACTT	CTTATTCCCT	ACACCAAGCC	TCAACGGGTT	TGCTCTTTCT	GGAAGGTGCT
202081	TCCCCTGTAT	TACTGACTTA	TTCATACCAC	ACATGGAGAC	TGGCGCAGCC	CTGTTCTGCC
202141	TGGGAAGCCT	TCCCCTGATA	CCCCTAGTTG	GCAGGAGTCT	TCATTTGTTC	TTTTCTAGTC
202201	ACCTGTGCAA	GTTTGTATTG	TTCATGTTTA	TCATCCTTCA	TTCTAGTTGT	CTGTCTCTAT
202261	GTGTGGTCTC	ATTCACTGGA	CTCTGAACCT	TTATGAAGTC	ATGTCATGGG	TCAGATCTTA
202321	ATAAATTAAT	ATTGTTCGGAA	GCTAATGTCA	TGTCTAGAAAT	ACAGAAAATT	TATCAAAAAA
202381	AAATATAGTA	TGTTGGCTGG	GCGCAGTGGA	TCAAGCCCGT	AATCCCAGCA	CTTTGGGAGG
202441	CCGAGGCAGG	AGGATCACAT	GAGGTCAGAA	ATTCAAGACC	AGCCTGGCCA	AAATGGTGAA
202501	ACCTCATCTC	TACTAAAAAT	ACAAAAAGTA	GCCAGGCGTG	GTGGTGCCCA	CCTGTAATCC
202561	CAGCTACTCA	GGAGGCTGAA	GCGGGAGGAT	CACTTGAACC	TGGGAGGCAG	AGATTGCAAT
202621	GAGCTGAGAT	CATGCCACTG	CACTCCAGCC	TGGGCGACAG	TGAGACTCCA	ACTCAAAATA
202681	ATAGTAATAA	TAATAATAAT	AATTGTATGG	AATTGAACTG	CTCTGATTGG	AAATAGCTGT
202741	TTTTTAAAAA	ATTATTATTT	TTTAAAGTCC	TGGGTACATG	TACAGGATGT	GCAGGTTTGT
202801	TACATAGGTA	AACGTGTGCC	ATGGTGATTT	GCTGCACCTA	TCAACCCATC	ACCTAGGTAT
202861	TAAGTACAGC	ATGCATTAGC	TCTTTTACCT	AATGTTCTCC	CACACCCCCA	CCCCATCCTC
202921	CCCCAACAGG	CCCCAGTGAG	TGTTGTTCCC	CTCCCTGTGT	CCACGTGTTT	TCATTGTTCA
202981	GCTCCCACTC	ATAAGTGAGA	ACATGAGGTG	TTTGGTTTTT	TGTTCTTGCC	TTAGCTGTTA
203041	ATGTCAGGCC	AGAGAGGCTT	AAATTTTTTAA	GGATCTCTGG	ACTTTTCTTC	TACATTACTC
203101	TTGATGTTTA	TAAATGTTAC	AACCTTCTTT	ATTTTCATTAA	ATGTATACCT	TATTGAGTTG
203161	ATTTAACTGA	GTTAACTTTG	TTATATGAAA	ATCATGATTG	GGAGTGAGGG	GGTTAAACCA
203221	GCTACAGAGA	TCTTGATTGT	TGGTGGTGAA	GCAATGCAAG	AATTCATTCA	TTCAAGTAAAC
203281	TAATGTTTAT	TAAGCGTGTA	CTGCTTAGTT	CTGTTCAAGC	TGCTGTAAAC	AAATATCATA
203341	AACTGGGTGA	CTTATAAACA	ACAAAAAATT	TATTTCTTAC	AGTTCTGGAG	GTGGGAAGTC
203401	TAAGATTAAAG	GCCCTGGCAA	ATTTAGTGTC	TGGTGAGGAC	AGGTAGCCAT	CTTTTTTGCTG
203461	AGTCCTAACA	TGGCAGAAGG	GTTGAATAAA	CTTCTTTGGG	TTTCTTTTAT	AAGGACACTA
203521	ATCCTAGTGA	TGAGGTTTCT	GCCCTCATGG	TATAACTACT	GCCCAAAGAC	CCCTCCTTCT
203581	AATATTATCA	CTTTGTGGGT	TAGGATTTCA	ACATGAGTTT	TGAGAGGATA	CAGACATTTG
203641	GATCATAGCA	CACACCATAG	GACAGACACT	GTGCCAAGAA	TTGTGGATAT	AGTGATTCTC
203701	AAAATGAACA	AGATCCCCCT	AGAGAGCTTG	CAAAAATCCAG	CTATAAAAAT	ATGCTTTTTTA
203761	AACAAATTAT	GCAGTTTGAA	AAATCTACTC	TGAATCTTAC	TTGTGGCATT	GAATACTTTC
203821	GGCCACTCTT	TCCTTATTAT	ATTAAATATT	TACTCTTGTT	TGGGGGATCC	AGTCTCACCT
203881	ACTTTTTTCTA	CCAGAACTGG	TATCAGCTCA	TGCTCTGCCT	TATGCAAATT	AAGAAAATAT
203941	CATACCTTTT	GGGTAAATTA	AGCCAAGAAA	GTTCTCCTTT	CTTCTCTTTC	TCTCTTCTTT

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TCTTTCTCTC	TTTCTCTTTC	TTTCTTTCTC	TCTCTTTCTT	TCTTTCTTTC	TTTCTTTCTT
TCTTTCTTTC	TTTCTTTCTT	TCTTTCTTTC	TTTTTCTTTC	TTTCTTTCTT	TCTTTCTTTC
TTTTTCTTTC	TGACAGGGTC	TTGCTCTATT	GCCTAGGCTG	GAGTGCAGTG	GTGCAATCTC
AGCTCACTGC	AGCCTTGAAC	TCCAGGGCTC	AAGCAATCCT	CCTGAGTAGC	TGGGACTATA
GGCATGTGCC	ACAACATCAA	GCTAATTTTT	GCATTTTTTT	GTGGAGACGG	GATCTCCCTA
TGTTGCTAAG	GCTGGTCTTG	GATTCCCTGGG	CTTATGCGAT	TCTCCTGCCT	CAGCCTCCCA
AAGTCCTGGG	ATTACAGGCA	TGAGCCACTG	CCCCTGGCCA	TTATAACTAT	TTTCATTGGC
TTATCAGGCA	CATGATAACT	ATAATAAATC	AATAACCAGA	ATTTTTAAAT	AAAGAAAGGA
AGGAATTGTT	TCAACTCTTC	CTGCTACCCC	TCTATCCCTC	AAAAGGGTAG	GCTGAATGTT
GTCCTCCAAA	GATATCCATG	TCCTAATCCC	CAGAACCTGT	AAATATATTA	CCTTATATGA
CAAAGGGGAC	TTTACATGTT	TAATAAGTTA	AGAATTTTGA	GATGGGCAGA	TTTTCCTGAA
TTTTGCAGAT	GGGCCCTAGT	GTAATCACAA	GGGTCCCTAT	AAGAGACAGG	CAGAAGAGTC
AGAATAAGAG	AAAAATACTT	CAAGATGTTA	CACCTGCTGGC	TTTAAGGTGG	AGGAAAGGCC
AAGAGCCAAA	AAATGCAGTG	GTCACTACAA	GCTGAAAAGA	AAAAGAAAATG	GATTTTCCCC
TAAAGCCTCT	GGAGGGGGCA	CAACCTTGCC	AATACCTTGA	TTTTGGCTCA	GTGAAAACCA
TTTTGGACTT	CTGACCTTTA	GAAGTGTAAA	TAAATAAATA	ATTTTGTGTT	GTTCAGAGCC
ATCACAGTTG	TGGTAATTTA	CTACAACAGC	AATAAAATAG	AATTAAATAC	AGAGATCTGA
GGAGTTGAGT	AGGATAAGCC	TACTCCAGCA	GTTTATTTTCG	GGAGTATGGT	GAGACTCACT
AGGATGGCGG	AACTCAATTA	AGGAAGTCTG	AAGCTGATAA	GCCAGAGAGG	GAAGGCTCTC
ACTTCATTTT	ATAAGGGTTG	CGTCACACTA	GGAAGATCCA	ATAGCAACCA	CAGTCTCAAA
ATTAATGATT	ACAAATAGGA	CACAATTCCA	AGAGTCGGGA	GCCAAGCAGA	AAATGGATTA
GGGAAGACAT	GGATGATATG	AAACAGGAAG	GAGGGGTACA	AGGCAGCTTC	CTGGGAAGTT
GCCAGGGCAG	TCACAGTTCA	CATTCATTAG	GCTGTGGGCA	CCAAATGCAT	ATGGAAAATC
TAGCTGACTT	AACTGAACTC	CTGAAGAGGA	ATGAACACCT	CATTTATTGA	GGAGCTACTA
CCAATTAGAA	TATGTATTTT	ATTTGTTCAA	TAACCCCATG	AGTACAGTAA	CACAATCCTT
CGTTTACTAA	AGCGGAAGCC	AATTCAAAGA	GGTTCAGTGA	CTTGTCCAAG	CTCAGGGAAA
ACACTAGGAA	GTGAATATGG	GTCTGACTCC	ATCACTGATT	TCAGGAGCCC	TGCCCTTTCC
TCCACACCAT	GCCCCCTTGC	TTTCAGAAAA	AAAGGCTTGT	TGAGTGAATA	TTGTATGCA
CAGTTCAAAG	CAGAAACACA	CGATGACATC	TTTTTGAGATA	CTCTAACAGT	GAGAAGTTGA
AAATGAAGTT	AAAAATTAAAG	CGGCAAAACC	AAGCCGAGGC	TTTCTGAGAA	AGTGGGGCCA
AACCTGTTGC	CGTCTGACTG	CCACGTGGCT	CACTATTTAT	CCCTGTAAAA	ATCTGCAAAA
GTATTTGAAA	GGGAAGAAGG	GACAGAAAAC	TCCCTCCTTT	TCCAAGTTAG	CCTTATAGTC
TAGGGCTTAA	AATACTGGTT	TAATGGTGAA	GGTAAGTGCT	TTTCTTCTTT	TTGGGTAGAA
GGATTATTAC	TAACTTACCA	AAGGTCCATT	AAGGGGAGGG	AACAGTTTTA	GGAGAAGTCA
GAGAAAAGAC	ATTAACAGCA	ACATAAGGAT	CTCCATCTGG	TAATATTGCC	TAATTCCAAA
ATGAAGAGAC	TCTCTGAAAA	AGATAACTGA	TTCAATGAAG	ACCCTAGGGC	AAGGCTTGAG
AAGCCACTGG	TACCAATGGA	CACTGTGGAC	AATGGTCATT	TCTCCAAGGA	CGCTGTGAGT
ATTAACGTGT	ATGCTGTGAT	TAGTCAGACT	GGGATTGGCT	GTGGAATGAA	ATACTGATCA
GAAC TGACAA	GATTTGTGTT	TGGGACTGTG	GCTAACGAGT	CTTTTCAGAC	TTCTATATGA
ATTTGAAATG	GTCTCTCAGG	AAAAGGAGAA	CATGGCCGGG	CCTGGTGGCT	CACGCCTGTA
ATCCCAGCAC	TTTGGCAGGC	TGAGGCGGGC	AGATCACTTG	AGGTGAGGAG	TTTGAGACCA
GCCTGGCCAA	CATGGTGAAA	CCCTGTCTCC	ACTAAAAATA	CAAAAATTAG	CAGGGCGTAG
CGGCGCGTGC	ACCTATGCGC	ATGCATAGTG	CGCGTGCCAG	CTATTGAGAA	GGCTGAGGCA
GGAGAATTGC	TTGAACCCAG	GATGTAGAGG	TTGCAGTAGT	TGAGATCATA	CCACTGCACT
CCAGCCTAGG	TGACAGAGTA	AGACTCTGTC	TCAAAAAAT	AATAATAATA	AAAGAAAAGG
AGAACATGAC	CAAAGTTATG	AATAAGACTG	AAGGCAAGAA	AATTGTACGC	TTGTAGAGAT
CACCTAGCTT	GTTGCCCTCA	TTGTACAGCT	AAGAAAAGGC	ACCCAGGGAC	ATTGTGGTCA
GCACCAATTT	CTCAGAAAAG	TAGGCAGATG	ATGAGAGGGC	CCTCAGTTTT	TCTAACACTG
AAGGAATTGC	TTCTATGTTT	TCTGGTGAAC	TCCTCCCCAC	TCATCTTGAG	GATTCCAGGC
CAGAAGAATC	CACTTTAAAA	AAGAAACATT	TAAAACCAAT	TTAACAACCA	ATCAAAGGCA
CTTTTATAGA	AATACATTTT	ATTTGCTGTT	GGCCTGTATT	TATGGATCTG	AGAGGGCTAG
ACTGCCAATA	TTGTGACTGT	TTATTATTAT	TGCTGTTGCT	AGTATCTAGA	ATATTATACA
ACATATAACA	CTTTGCAATT	TACGAGGCAT	GTCTCATACT	TTTGTTTTCA	CTCCAAACTG
CCAGTGGAAG	TAACATTATC	CCAATTCCTT	CTATGAAACA	GTGAAAGCCC	TAAGAGTTTT

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207241 TGAAACTTTA CCTGGTTTAC TCAATTTGGG AATGGCAGAG CAGAATTCAG TCCTTGAATA  
207301 TCCTCCCACT GCAGGTTTCAT GCTCTTTGAT CTAGGTGTAA CATTTACTCT GAGTAAACTA  
207361 GGACTCTGGG CTAACAGAGA TGAAGCAAGA CAGGCTGGAT ATTAGGAGAA TCTAAGAGCA  
207421 ATCTAACGAC CATTATAATA AAATCATGAG TTCTAGACTT AAAAAAGGG AAAAACCTGT  
207481 TTTTTTGCTT ATGCGTATAC CATAATATTT ACATTATTTA TTTTTTCTC AAATTCAACC  
207541 TATACGGTGT CAAGTAATTT TTTTAAATAT AACATTTTCC TTTAACTTAA TTTCAATTCA  
207601 TTTTCTGTG TCTACTTACA ACTTTGGCAC TAGAATTCAC AATTTTTTTT TAGAGGTATA  
207661 TCTCCTTAAA GGAAGGGT CTGACACTGT TACATGTTCT CAATGTTTG CAAATAGGTT  
207721 AATAATTATT CCAGTGTCTC TAAGTACATA TCAACCATGC CAGTGTTCAG CCTCCATAAT  
207781 TTTATTAGCT TCTGTGCTTA TTTTGGAAAA ACATTTCCCA TTACCATGAA AGACCTCAGT  
207841 TTAGGATGGT TTGGTATGTT AGCCTGATTT CTGCATTCTG CTGATGCAA GGAATAGG  
207901 AAACGAAGAA CTGAAATTAC CTATTGATAC AAAATCAAAG TAGCATTTGA AACCATAAAA  
207961 CTTAAGTAGG GCTTTTCATC CTTTCTCGTT AGACAGCAAC AGAGAATGGG AAGAAAAACT  
208021 AAAGTGATGG GTTTGTGATA CAATTCCAGT AACATAAAGA GCAAGGAGAA GTAGTTTTGT  
208081 TGTGTTTATG TTTAATATTC AAAGCTCAAC CTTAAAGTAT TTTTCATTAT CAAACTTCCCT  
208141 TCTAGAATAA ATGATTAAAA CTTGATTTAA AATATACAAA TTCTCCTTTA TAATACCTCA  
208201 AAATGGAGCT ACCCCATTGA GTTTTAAAGCT TGTGATTAAA ATATTACGAA AACAAAGGGG  
208261 AAGTTGTAAT AGGTAGAACA AGCAGTAGTC TAGGCATTAG GGGATCTGGT GCTGGCTCTG  
208321 TGCATCATGT GGTTCAGGC AACTTTTCAA ATTTTCTACG CAAATTTTCT TATCAATAAA  
208381 ATAAACAGTT GGGCCAGAGG ATCTCTGAGT CTCTTTCAGC TTTTCTGTT TATAAGATTG  
208441 GAGAAGTTGG TGGGAAAGCT TTAAGTGGAG TGTAAGTAAT TGCAGCTGCA TGTACAGTTA  
208501 AAGAGTTGCC TTCAGCCAAG CCACGGGATC TTGCATAAAA AGTGAAATCA AATAGAAAAT  
208561 GGTCCAACT CTGGGTTTGA CCACAGATGA CTTTCTAGT GATCTGAGTG TAGAGCAATG  
208621 AGCTGAACTC CTGATATCCA GATGTTAGCA AGACTTGGAG GCCTTCTAAG GCAGAGCAAC  
208681 AACCAGTATC TGTCTGGTG CTGACCTGAT CTTACTAGCA ATTGGGCCCTC CATTTGGGTC  
208741 CATTGTACAA AACAACAACA ACAACAACA TAAATCTCC AACACCCAA AATTCAAAAT  
208801 TTAGTGGAG AGATACTATT CCCAGAATTC TAGAGATATT TGGAAAGCAG AAAACTATAC  
208861 TTGCCATGCT GATGAAGTCC AATTTTAAATA CTTTAAATA CATTTAGCTA CTTCTGAATA  
208921 TAAATGAGT ATCTACTAAT TATTTACAAA ATCACTTGGT AAATATAGAA AGTCACAAAG  
208981 AATGAAGTGA TCATCCTGTT TTGTAACCCA GAAATAGTCA TTACTGGCAC TTGTGTGAAT  
209041 CAGTTTCTAT TCCTGTATGT GGATGTGCAC AGCGTATCCT GCTTTGTACA CTAGACTACT  
209101 AGCATTTTTC TAATGTAATT CAATATTGTC GAAAACATTT TAAATAGCT TCCATCACAA  
209161 TAATCTATCA AATTGACTTG CCAGACTCTC ATTATTAGGT TAATTTATCT CTAACATTAT  
209221 GCAGTCATGA GTAATACTAC AAAGGATATT TTTGGACACA ATTTTTCATC TATGCCTTTC  
209281 TTTATAATCC TTCATCCTAA GGTACAGAT TATGAATATC TTTAAAGTAC GGACAAGTCT  
209341 TTTAAATTTT GTGTGCAAAA ACAGTGCAAA GCCTTGAATG ATAAATAGA GGTGTGATAT  
209401 ATGTGTTTTT TTGTTTGTGT GTTTTGAGAC GGATTCCTGC TCTGTCCCCC AAGCTGTAGT  
209461 GCAGTGGCAC GATCTTGGCT CACTGCAACC TTTGCCTCTT GGGTCAAGC AATTATCCTG  
209521 CCTCAGCCTC CTTAGTAGCA GGGTCTACAG GCATGTGCCA CCACACCCGG CTGTTTTTGT  
209581 ATTTTTAGTA GAGATGGGGT TTCACCATGT TGGCCAGGAT GATCTCGAAC ACCTGACCTC  
209641 AAGTGATCCA CCCACCTCAG TATCCCAAAG TGCTGGGATT ACAGGTGTGA GCCACTGCAC  
209701 CCGGCCGATA CATGTGTTTT TAAAGTCACA GAAATTTTCA ATGTCTTGAA GGATTTTAAAG  
209761 CAATTTAAAA AATAAAGTCA TAGAAGCTTC AATTTAGGAA TGAATGGAAA ATTGATGATA  
209821 TTCTTAGGAT ATGGATTTTT CCTAAAAGAA ACAATGTAT GCATCCCCAA AGATAATTTG  
209881 ATTAGTATAC AAATATTAAA TTAAACATGT CCATATTTAG AGCCATGAAT TCTCTTGCC  
209941 TGTCACAATA GCTGGATTTA TTCACAATTG TAGTAATTAG TCCCTGTTCA TTATAATTTT  
210001 CTAGGTGATA TGAAGACTTT GTCAGTCCAA GCAAGTGTC ACATTGTGTG TAGCAAACAT  
210061 GAGAATAAAC ATTTTAAACT TTTAAATGTA ATACATATTA GTGTTATGTA ATGTCATCCT  
210121 TCATGTTTCA AGGCACATGG AACATTGTTC TGGTGGTACA GAGGGGAGAG AAACACCATC  
210181 AGAATGAAAG GAAAGACCGC TCTGGAACCT TCCTCCTTAG CTCTTGAGCT TAGTTTAAAT  
210241 GTCCTGTCTT ATGGTCTGCT ACAAGCAATA CCACTCTTCA CCTTCGCATG CTTCTCTGTG  
210301 GTTTGATAAA GTACATGCAA TTTTTCATTT AATTCTTCCA GCTGCACTAA GAAAGGAGCC  
210361 TTATCTTTAT TGAACAGATG AGGAAATGAA TGATTAGAGA ATTTAAATGA CTAGCTCTAG  
210421 GTCACACAGC TGAACCTTAC AGCCAGATTT CCTTTTAAAC ATCCTGTAAC CAAAAGCATA

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210481	CCAGTAGTGC	CCCATAAAAT	GTAAGTTATA	GAGCTGTGTT	GGGTCAAAAC	TTTTACTGAT
210541	GCTAAGAGGA	GGCAACATTA	ACAAGGGGAA	ATTATTTGTG	TATTATGTTT	TGGATTATGT
210601	TCTCTCCATA	GATAAAAGAC	TGTCGTAGTA	AAAGAGATTC	AGGGCACAGG	GAAACTCCAC
210661	CACAAAGCGT	GGTACCATTT	CCCACAGAAG	CTAAATGGAC	GGGAAGCCTG	CCACCAGGAA
210721	AGGTAAAGCC	ACTGCTCTTG	TTTGCAGGCT	ATGTTAATAA	GCTGAAGCTT	ATTCCGACAC
210781	ATTTACACAT	CTCTGCATCA	CACTGACCCT	TCGTAAAGAT	ACTCCCAGTG	TAACATTGGA
210841	GCCAGCTCCA	GCCCCGTGATC	CTGTTGCTTT	TTCTTAGGCC	CCATGAAATC	ATCTGCGAGA
210901	AATTAAGCCA	AATAAGCAAT	AAATCCTGGG	ATCTAGGGAG	TGGAATAAGT	TTTGGGAAAG
210961	TCTTTTTTTT	TTTTTTTTTG	ACTGAGTCTT	GCTCTGTCTC	ACAGGCTGGA	GTGCAGTGGT
211021	GCGATCTCGG	CTCACTGCAA	CCTCTGCCTC	CCGGGTTCAC	GTGATTCTCC	TGCCTCAGCC
211081	TCCCGAGTAG	CTTGGAATAC	AGGCACACAC	CACCATGCC	AGCTGAATTT	TTGTATTTTT
211141	AGTAGAGATG	GAGTTTCGCC	GTGTTAGCCA	GGATGGTCTC	GATCTCCTGA	CCTCGTGATC
211201	CACCGGCCTC	GGCCTCCCAA	AGTGCTGGGA	TTACAGGCAT	GGGCCACCAC	GGCGTCCCG
211261	GGAAAGTCAT	TTTAAACCAA	CCTATGTATG	AATCCCTACT	ATAATATTCT	CACCAAGCGG
211321	CTGGCTCTTT	CTCCTGAGCT	TGGAAACCTC	CAGTAAATG	GAAATAATTA	TTTCCCAGAC
211381	CACCACTCTT	ATCTGTGAGC	TTTTTTGGCC	ATTAAAAATT	ATTTCTTCCA	TTATATTTTT
211441	ATCTGTGTCT	TCACAGGTTT	TCTCTTTCTT	TCACTTTAGT	GCTTTTCTTC	AAATAAGCAG
211501	GAAAAATCCA	ATCTATCATG	CACATGGGAA	CCCTTTCAAT	ATTGGTCTGT	GGTTGTTCCA
211561	TTTTATGGGG	ATGCTTTTAA	AGAAAAAATT	TGTCCTTTCA	ATATATTGAA	TATCTTCCAG
211621	CACCACATCA	CCTGCAAGCT	TTGTAAAAAT	AGTTCTACAT	ATTAATTTTT	TTTTTTTTTTG
211681	AGATTGAGTC	TCATTCTGTC	ACCCAGGCTG	GAGTACAGTG	ACATGATCTT	GGCTCATTGC
211741	AACCTCTGCC	TCCTGGGTTC	AAGTGATTCT	CCTGACTCAG	CCTCCCGAGT	AGCTGGGATT
211801	ACAGGCATGC	ATCACCATGC	CTGGGTAATT	TTTGTATTTT	TAGTAGAGAT	GGGGTTTCAC
211861	CATGTTGACC	AGGCTGGTCT	CAAACCTCTG	ACCTCAAGTG	ATCCACCTGC	CTTAGCCTCC
211921	CAAAATGCTG	GGACTACAGG	CGTGAGCCAC	TGCACCCAC	GTAGTTTTTT	TTTTTTTTTTA
211981	AGTTGAACAT	ATGTGAAGGC	AGGACCTAGT	GACACATAGC	AATAACATTT	CCAAGTAGAC
212041	ATTACACTAG	GGAATTAGTC	AAAGTCTCA	TTTAAAGTAC	CATCTCTCAA	ATGTATTAAA
212101	AGAGAATCCT	TGGATGTGCA	ATACCTTAAT	TCAAAGGCAG	CTCGTTATGT	ATAAACTCTC
212161	AAGCTTTGTG	ATAAACAAAT	GTGCATAACA	GATGGGACTA	TTGACTTACA	GCCCAGGGAA
212221	TTTTATTGAC	GCTGAGAAGG	TTATGTGACT	GGCTCTGCCA	CTGTCATCCC	CATTCACTTC
212281	ATTTTGGAGC	AATATGACAT	AAATGCCTTA	CATGTGGGTT	TTCTCTATTT	ATCATGTGTT
212341	TCCTATCCCC	TTGAAAGATG	GCCATATTTG	CTTTACTTGG	TTATAAGATC	CCATATTCGC
212401	TGTCTTGAAG	CCAACCAAAT	AATTTGACAA	AGTGGGTTTG	TAGTGCTGGC	TATTTTGGTG
212461	AAAAAAGAC	AATGAGACTT	CATGTGTCAT	CCAAAGTTCT	ATCAGATCGA	GCTGTGAGAG
212521	AAAGGAAAAG	AAAGGGGTCT	CAGTCAGGAT	GCTCACTGCA	TACATCTGTG	TTGTTGTCTA
212581	GGTCCAGATT	TCTGTTTCATT	ACGCTATGGG	CTGGCTCTTA	TCATGCACTT	CTCAAACCTC
212641	ACCATGATAA	CGCAGCGTGT	GAGTCTGAGC	ATTGCGATCA	TCGCCATGGT	GAACACCACT
212701	CAGCAGCAAG	GTCTATCTAA	TGCCTCCACT	GAGGGGCCCTG	TTGCAGATGC	CTTCAATAAC
212761	TCCAGCATAT	CCATCAAGGA	ATTTGATACA	AAGGTAAGTA	TGATGGAAAA	TAGGGCTCTT
212821	TGTTGAGAGA	AAAAACTTTG	AAAGGAAGGC	ATAGATCTTG	ATTCTGTGGA	GTATGGAAGT
212881	ATACATTTCC	AATGACAAAT	TAAACTGAC	TGGAACATTT	TTTCTTTGAG	ACATGTCTTA
212941	CTTCAATAAT	AAAAATAAGA	TTTCATTGAG	GTTATTATGA	TTATAAGGTG	GGGGAACGTG
213001	AGAGTTAAAT	GTGAAAAATT	TAAAAATGGA	ACAGTTTATG	TGATGTCTTC	AATGAAAAAC
213061	TAGGTATTAC	CTGGGCACAT	TCTTATAGGT	TACTCAATCC	TATTCAGTTC	TCTGCCTGTT
213121	TTATTGTTTT	TGAGCAATTT	TATATCCCTG	TAAATTCTAT	ATAACCAATA	GAAATGCAAA
213181	CGATTCTTGT	CCATAGCTTT	GCAAATAAAT	TTTGCCAAGA	GAAAAATCAG	TTAAAACTTT
213241	TCTCCACTCA	CCTCCCAGTT	GAATTAGCCA	ATTTTGCTGT	TTGTTTGTTT	GTTTGTTTTT
213301	TGAGATAGAG	TCTTCCTCTG	TCATTCAGGC	TGGAGTGCAG	TGGCATGATC	TCAGCTCACT
213361	GCAGCCTCCG	CCTCCCGGGT	TCAAGAGATT	TTCTGTCTC	AGCCTCCCAA	GTAGCTGGGA
213421	GTAAGGGGGC	ATGCCACCGC	GGCTGGCTAA	TTTTTTGTATT	TTTAGTAGAG	ACAGGGTTTT
213481	ACTAGGCTGG	TCTCGAACTC	CTGACCTCAG	GTGATCCACC	CGCCTCGGCC	TCCCAAAGTG
213541	TTGGGATTAC	AGGTGTGAGC	CACTGTGCCA	GGCTCTGCTG	TATATTTAAA	GTCTATTTCA
213601	GCATTGCTTC	CTGCTTGTGT	TATGCGTGAT	TCTTTGAGTT	TTCTTTTGAA	CCAGTTATAA
213661	CATCTTACTT	ACTTCCTCCA	TTAATCAATG	AGTTAAATAA	AATCTTTGTT	GTATGTTTAT

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213721 TTTACATTTA TATGAAAACC ATGAATTTAC CCAATTAAAA AAATTATCCT TTAAATTATC  
213781 TTGTAAGTGA CATTTCATTA GTGATCCCTA TAATTCATGA TTAATGATTT TATTACATTG  
213841 GACCTAGCTT ATTTACAATG AGTACATAAA TTTATTGTCT CCAGTCTTTC CTCCATTATC  
213901 CCGTCTACAT ATCCACACTG AGTAGATTCA CTACTCAGGA ATCTTGGACA CCTTCAAGTT  
213961 GCCAAACATG CAGTGTTCAC TGGACATGCT GTGTTCCCTC AGAATTTGGG CCTGCTTCTC  
214021 AGCACACTCA CATCTGCTAT CAATGACCCA TGGAAAGTTT TTGCCCTGAG CAAGCCAGAG  
214081 TCCCTGTTAG TTTCTTCCAA ATGCTACAAG TTCACTTTTG CTATTTTTTC CGATGAGATA  
214141 AAATTTTCCT TTTTGACTTT CTACAAATCA TAGTCATTTT TCAAGGGATA GTTCAAGTAT  
214201 TGCTTCCTTT CTGGGACCTT CCCAAATTAT TATTTTCTCC TCTCAAAGTC TCTGTTTTAT  
214261 TTATGTTTCT CCTCAAATCT TGATCTCAC ATGAATCATA TACCTTGTAT TATTTATAGT  
214321 TTTTTTGGAGT AGGTAAAATA TTTTATATTT TATATTCTTT GGCTCTCTAC TTTTATAGTAT  
214381 GATGCCAGAT ATTTAGGGGC CTTACTGCAT TTATTTTTTA TTTTATTTTA AAATCTATTT  
214441 TATTTTTTAT TTATTTATTT TAAATCTAT TTATTTTTAG GTAAATATTC AGGTAATATA  
214501 ATTTATGTAA TTATTTAGGA ATTTTAGGTA GTTATTTTAA AATAATTCAA ATTATTTATT  
214561 GAGTTATATC AGAAGAATGT GATCTTATTC ATTTGTAATA TGTGTTTTAG GAATCAGTT  
214621 CAGCCAGGGC AGACCATAAT TCCCAAACCT GACTTTTCTT TTTAATTAGG CACTGATTTT  
214681 GGTAAAGAGT TCAGTAAAGT TTTGTGTGTG TGTTTTAAAA AATTCTTTGA TATAAGAGTC  
214741 AAGATGTTAC TCAACTTTTA CTAGAAGCAA AATAGAGGAA GTGCTTTCAC AGATGAAATA  
214801 TCTCTCAATG TTTTCTTCCA TTTACTTCTT CCTATTATTC ATCTATATAA TCATTTTCTT  
214861 TACCTCTTTT CTTTATTTCT TCTGTTTTTC TCTCCTACTA AGACAAGCAA ATTAGGGGTA  
214921 TAATTGGTTA TTTGGGAAGG TAGGAAGAAT ACAGAGAGAA ACAAATATCA ATATTTTATA  
214981 CTAGGGTCTC ACTAACCTCA AGCAACTCTG ACTGTAAAGT AGATTTTCAT AATAGGACTT  
215041 CTTGACAAAG AGTTTTCTTA TTTTTCCTCC AGGCCTCTGT GTATCAATGG AGCCAGAAA  
215101 CTCAGGGTAT CATCTTTAGC TCCATCAACT ATGGGATAAT ACTGACTCTG ATCCCAAGTG  
215161 GATATTTAGC AGGGATATTT GGAGCAAAAA AAATGCTTGG TGCTGGTTTG CTGATCTCTT  
215221 CCCTTCTCAC CCTCTTTACA CCACTGGCTG CTGACTTCGG AGTGATTTTG GTCATCATGG  
215281 TTCGGACATG CCAGGGCATG GCCCAGGTAT CCAGATACTT TCTCATTCTT GGTGGGATCC  
215341 AGATTTCTGA ATTCTACAAA ATATCAAAGG TCTTAATGAT TTTTATTTCA GGAATGGCA  
215401 TGGACAGGTC AGTTTACTAT TTGGGCAAAG TGGGCTCCTC CACTTGAACG AAGCAAGCTC  
215461 ACCACCATTG CAGGATCAGG TAAGTGTGCA CAGATGGGTC ATAGCTTTGT CATCTGTTCC  
215521 ATCCCACTGT GTCTTATCTT CTATGAATCA AATGGTTTGG GGAAGAGAGA GAAAAAGTAC  
215581 TGCTGAAAAA TTCAACAATA TAAGACACTT GCATCAGAAA TAGGAAAGAT GCATCTGTGC  
215641 AGTAAAGACA TTGAAGCTTA GAAGTAGAAA AAACCATTGT GAGCTAGGTT TCAGCTCAGA  
215701 AAAGCCTTAG TAGTCAGAAA AGCCTTAGTA GTCAGAAAAG CCTTGTTCGA AAAAGTTTAA  
215761 ACCTTTAAGA ATTGCACACA TGGAAAAAGA TCAAGTAAGC TATATATACA CCATCTTAGC  
215821 AATGATTTTG AAGTGAGAAT TAAGGCTACC ACAGCTCCAG GTGGTAAGGA GAGAAATCAG  
215881 GCTGGAAGAG TTTGAAGTTT CTGTATTATT CTAAGCTCTT TACTATTCTA TTATGAGCTC  
215941 ATTAATTCTC ACAACAACCC TCTCATATAA GTACCATTTT AAATCTTTAT TTTACAGAGA  
216001 AGGGAGTTAA GGAAGGTGGA GATTAAGAAA ATTGCCCAA TACAAATAGC CAGCAGGTGG  
216061 TAGGTCTGAG ATTTAAGCCC ATGCAGATTT TAGCCCCAGA GCAGACATTC TCAATCACTA  
216121 TGCTAGACTG CCTTTCCATG GTATGTGATC CTACTCAGGC CTCTACAGCT TTATCATTTG  
216181 TGTTCTCCCC AGCCTGTCTG GCTGAGAGTA TATACTCGAA GAGCAGAACT AAAATTTCCAT  
216241 CCAGCTTCTC ACTCCTAGGT CCACTACACA GCTGCATCCT GCAGACTTTT ACCTCAAGCA  
216301 ACCCTCCTGC GTTCTTGCTT CTTTCCATCA TAGTTGTAAC CATCTCCTCT ATTTGCAAAT  
216361 ACTATCTGCT GATCTCTCTC TTCTAGACTG GTTTCTTTCA ACCTTCTTCC CACCAAAACC  
216421 AAGTTAGCTT GCTAAAATAA AGATGGCGCA TTTTACTCA CCCGCTTGAG AATTTTCAAT  
216481 GTGTTCTTTC ATGCTTACAG AGTAAAGCCT GACCTCTTTA TTGCATGAAT ACAAAGTTTC  
216541 TTAGCCATCT GGCCCCAACC TTGTTCCACT CAACTCCCC TGTGCAAGCAT GGCTCCAGTG  
216601 GCACTGGACA TTGGCTGCTC TCCACATAGA TCTGCACTGC ACTTCCCTCT GGCTCTGCTC  
216661 CCGTTAGTTT ATATGCCTGG AAAGTTCTTT GCCCCTGTTT CTTGTGCCAA AATTTCCATCT  
216721 ATCCTATTGC ATAGCTTATG TAAAACTTC CTAAACCTTT TTTTTTTTTT TTTTTTTTTT  
216781 TTTTTTTTTT TTTTTTGAGA CGGTGTCTCA CTCTTCCGCC CAGGCCGGAC TGCAGTAGCG  
216841 CTATCTCGGC TCACTGCAAG CTCCGCTCC CGGGTTCACG CCATTTTCTT GCCTCAGCCT  
216901 CCCGAGTAGC TGGGACTACA GGCGCCTGCC ACCATGACCG GCTAATTTTT TGTATTTTTA

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216961	GTAGAGACGG	GGTTTCAAGC	CAGGATGGTC	TCAATCTCCT	GACCTCGTGA	TCCGCCCGCC
217021	TCGGCCTCCC	AAAGTGCTGG	GATTACAGGC	GTGAGCCACC	GTGCCCGGCC	AAAACCTTCT
217081	AAATCTTTATA	ATTATTATCA	ATTTATCCTC	AGATATACTT	CCACGTACAT	TGTAGTTTTTA
217141	TTATATTTTAT	ATTTTACATC	TTTTTTTTTCA	AATTGCAGTT	TGGGACCCAT	TAGTGAGTCA
217201	TAAAATCCAT	TGAGCGGGTT	AAAATCATTA	TTTTAAAAAA	TGAGTAGAAT	AGAATAGAAA
217261	TTGTTGGAGT	GCATTGGACA	TGGTAAAGTT	AAATATCGAT	TCATGAAACC	ATCGTTTGAG
217321	GCATATGTGT	GTGGTTGTAT	GTACAAGTGT	TTATGCATAT	TGGTGTGTGT	GTTATGTTAC
217381	CCTGTAAAAAT	GCATTTCTTA	CTATAGGTCT	CTGTGAAATA	TGTGTCTTGT	TGTTTTTTTTAA
217441	TGTAGACTTC	CAAAGCCTAC	ATGGCATTTC	ACTAGTGACA	ATCAATTTTA	TTCACATTTT
217501	TCTCTCCAAT	TGGACCAGAA	GCTCTTTGAG	GGCAGGGGCT	GTATCTTACC	GATTTTTTGT
217561	AGTCTTTCAT	TTCTTGCCCC	TAGCCTCATA	TTAGATCATG	CAAGAATGCA	ACTGTAATCA
217621	CAAGAAAATG	CTAATGGGCT	GTGATAGCAG	AGAGTTACTG	TGACAAACTA	AGGGATTTAG
217681	ATTTGGTCCAC	ATTGGTGTTG	AGGAGCCATT	GAAGAATCAG	AGAGTGTGTT	ACTATTATTT
217741	GTTAATTTTA	ATTATATCAT	ATTACTTTAC	TGGGGAAAAT	CTGTGAGCTA	TTTTAGAAAT
217801	AAATACTCTC	ATTGCCCAAT	AATTCTAAGT	CTGCCACCTC	ACTGTTGGGA	CATTGTTTAG
217861	GGAGGCCACG	AAGTCTCAGC	CTTTGATATT	TTCATAAGTG	TTTTTCTCCC	TTTTTCTCTT
217921	AGGGTCAGCA	TTTGGATCCT	TCATCATCCT	CTGTGTGGGG	GGACTAATCT	CACAGGCCTT
217981	GAGCTGGCCT	TTTATCTTCT	ACATCTTTGG	TGAGTACCCT	TCTCTTAAAT	CCTAATGCCT
218041	CCATTTCCTG	AGCATCCATT	TTGGCACCTA	CACCACCCAT	ATTCTTCTTA	TATGAAAGAA
218101	AATGTCCTTT	ATCAAAATGGA	AGATGATAAA	AAATGTCAAC	GGTTGGTATC	ATTTTTTAATC
218161	TAGTCACACA	ACCTGATTAA	CACCTTCCTG	GTGGTTCTGG	GAAGCCACAC	GCAAAAGGTA
218221	GAGGAGTTGA	CTATTCACAT	GGCACCCACC	GACTTGTGAT	GCAGTCTTGT	CCTTCCATAT
218281	CAAGCACCTT	CTGCAGAATC	TCTACCACCA	CATCTGAAGT	GCCTGCTATA	TGCAGTTAAG
218341	ATGTCAAAGA	TAGTGAAGTA	CATTTTCAAT	GTGTCTTCAT	ATTTTATTAT	AATTATTATT
218401	TCTGTCCAAG	ATGCCTTTCA	CCTGTCTCTC	ACCAAGTTAA	TCTTGCAAAG	TTCAATTCAA
218461	ATGTTCCCTT	CCCCATGGGC	CCTTCCAGGG	CTTACCCTGT	CAGATTCTGG	CATTCTCTCC
218521	TTTATGATAT	TTCTCTCTA	GGTTATGTTG	GTGTGTAATT	ATTTATTTCT	CCTTTTCTTT
218581	CCACTAGACT	GTGAAATGCT	TGAGGCAAGG	AATCCATTCT	ATGTTTTTCAT	CACTTGGGTG
218641	TCATCATGGT	GCCTGATTTT	TAGCTTTTAA	ATAAAAGAAT	CAGTGAATCC	AGTAATTAGA
218701	GGGGATTTAA	AGAAAACCTAG	TCCTCAGAAAT	CTTTTAAACAT	AGAATGTTCT	TCAAATAAGG
218761	AATTCCAATA	ATAAGACAAT	TTTCTACACT	TGATTTTGT	TTTATAGCCA	AATGGTGTCA
218821	TTAAATATAG	TCCTGGCCTG	AATGGCTTTC	TCATTAATGA	TGCTAATTAT	TTTGGTTTGT
218881	ACATGTTTAA	CAGGTATTGT	ACAAAAATAT	TTCTTTTGGG	AATCCATAAT	GGATGTATGG
218941	CTTGAATACA	AATAATACTG	TCTCTTGTA	GTGCATTGGA	AATTTTTCCT	TGCCACATGA
219001	TTTCATGGAA	GGTGTGTTCC	TGTATGTATG	ATGCAAACC	TGACTATTCA	GATCTTCCCG
219061	AACAAGACAA	CTTATGTGTG	CATTAAGAAG	TTGCTGCCTA	AAATACATAA	CAGTGTAAATC
219121	ATTGGAGACT	TTAAAGTAAT	TAATCAGCTA	TGCAATGCCA	CGCTCCTGTT	ATCTCCAGAG
219181	GGCTCTGACA	TTGACAAATG	GTGGCTTTCT	ATTTGAGACG	TAATATCTAA	AAAGCTTTTAA
219241	CAGGTTTGTA	GAAGGATTGA	AAGAAAGAAT	GGGAACATTT	AGGTCCTTAT	GGTAGAATAA
219301	GCATTAATTG	ATTAGTGTGT	AGAAGGGAGA	GGCATGCCAC	TTCAGAGGAA	ACTTCTTTCC
219361	CCCAGTAAAC	AAATCTACCT	AAAAACTAAT	TTTATCCCTT	CTTCCCAGGT	AGCACTGGCT
219421	GTGTCTGCTG	TCTCCTATGG	TTCACAGTGA	TTTATGATGA	CCCCATGCAT	CACCCGTGCA
219481	TAAGTGTTAG	GGAAAAGGAG	CACATCCTGT	CCTCACTGGC	TCAACAGGTA	CAGTGCACAC
219541	CTTGTAACCTG	TGGCCCATGC	AGAGGTCTCT	AGGGCAGGGT	GTGGATCTCC	TCTGAGAGGC
219601	ACCATCTTGG	CTGCTCTAAT	ACTCATGCTG	ATTAGATCTT	TCTTTTTCAGC	CCAGTTCTCC
219661	TGGACGAGCT	GTCCCCATAA	AGGCGATGGT	CACATGCCTA	CCACTTTGGG	CCATTTTCTT
219721	GGGTTTTTTC	AGCCATTTCT	GGTTATGCAC	CATCATCCTA	ACATACCTAC	CAACGTATAT
219781	CAGTACTCTG	CTCCATGTTA	ACATCAGAGA	TGTGAGTTTA	CTTCTTATAC	TTCTACGAAA
219841	ATGATAATGG	TAATAAGGAG	AAACAGTTCT	GTGTTACCTA	TTACATTCTG	GCTTTTACATA
219901	TAACCATTAA	TTTAACTTTC	ACAATGACCT	TGAGAGAGGC	ATTGTTATAA	TTCCCTTTTC
219961	ACAGATGTGG	AAACAGGACA	CTTAGAGGTG	AGATAACTTG	CCCCAGGTTG	CACAATACTA
220021	AGTGATAGAG	CTGCTGCAGC	ATCCATATTC	TTAACCATA	TGCTATACTA	CCACACGAGC
220081	TGATTCCAAA	GCTTCTTTTA	GAAATAATAT	TGCTGGGCCA	GGCATGGTGG	CTCACCCCTG
220141	TAATTCCAGC	ACTTTGGGAG	GCCGAGGCAG	GCAGATCATG	AGGTCAGGAA	TGCAAGACCC

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220201	GCCTGACCAA	TATGGTTTAC	TAAATATCAT	CTACTAAAAA	TACAAAAATT	AGCCAGGTGT
220261	GGTGGCAGGC	ACCTGTAATC	CCAGCTATTC	AGGAGGCTGA	GACAGGAGAA	TCGCTTGAAC
220321	CCAGGAGGTG	GAGGTTGCAT	TGAGCCAAGA	TCATGCCACT	GCACTCCAGC	CTGGGCGACA
220381	GAGTAAGACT	CCGTTTCAAA	AACAAAAAAC	CCAAGAAATT	AATATTGCTT	TTATCTGGAG
220441	CCCAGAGTGA	TGCAGCTTCT	GGCCCTCTTA	TCTGAGACAG	TGTTCTTTTA	GTGTGAAAAA
220501	GGATGCTAAT	TTTCCCCCAA	ACAACCCACA	GTATCATGGG	GGTAAGTTAA	TGGCTGGTCT
220561	GTGTAAGTGA	CAAATTTTGG	TGCTAACGTA	TCTCTATAAC	TACTCTGTAT	AAACTTCCTT
220621	CCTTCAGAGT	GGAGTTCTGT	CCTCCCTGCC	TTTTATTGCT	GCTGCAAGCT	GTACAATTTT
220681	AGGAGGTCAG	CTGGCAGATT	TCCTTTTGTG	CAGGAATCTT	CTCAGATTGA	TCACTGTGCG
220741	AAAGCTCTTT	TCATCTCTTG	GTAAGGATAA	GCGTGTGGGC	CCATTTAACC	AATCCCTTTT
220801	CTGCACATGG	TCTCAGAGGG	TTCCCTGACA	GCATGTCCCT	ATTGCCCAGG	GCTCCTCCTT
220861	CCATCAATAT	GTGCTGTGGC	CCTGCCCTTT	GTGGCCTCCA	GTTACGTGAT	AACCATTATT
220921	TTGCTGATAC	TTATTCTCTG	GACCAGTAAC	CTATGTGACT	CAGGGTTTAT	CATCAACACC
220981	TTAGATATCG	CCCCCAGGTA	AGAGCTCTAC	CTGTTTTTTC	CCCTCCTCCA	GACCCCTCCA
221041	GAGGTGTTAG	ACCTCAGTGG	TCGCCGTGAA	ACTCTTTAAT	GTTACTGACA	TTGCACTAAT
221101	GGCAGAATGA	CAAATAACTA	CAAATATCTG	TCTGTGGCCA	TTTTTTAGAAC	AACAAATGTG
221161	GCATTTTGTG	AACAACAATT	TCCAATCTTG	GCCAGTAATC	ATTTTGTACAA	AAACCTTCCC
221221	AAGCTTCCCT	AACAGAGATT	GAAGTGTGTA	TGCTGGGAAA	AGGCCACAC	ACAGGTGATT
221281	TGGAAAAGTT	TCCATGGTGT	TGTTTCATATT	AGCTACCACA	TATATATATA	TATATATATA
221341	TATATATATA	TATATATATA	TATATATATA	TACAGTCACA	ATAAGCCAGC	TCCTGTGCCA
221401	AGACTTGCCA	TATATCAACA	CATCTAATCC	TCACAGTTAT	ATTAGGTAGG	CCCTATTGTT
221461	ATCCCCATTT	TATAAGGGAG	AAGGCTGAGG	CACAAGGAGG	TTAAATGGTG	TGACTATGGT
221521	CACATAAAGG	CAGAGCCAGG	ATTTGGACTG	GGGGAGTCTG	GCTTTGGAGT	CTGTGTCCTG
221581	CCCGTTGCAC	AAACTGGCTT	CTACACTGAG	CAGCCAGGGT	AAAGAAACGT	GGTTCCCAGA
221641	GAGACTGCAT	TGCTCCCTGG	TTATTGACTT	GGTAGATTGG	TAATTTTCAGG	TTTGGCAAAT
221701	AGACATTGCC	CTGAATGTCT	TTAGGTGAAT	GAAAACTGC	ATTAAGCAAA	ATGACTTTGC
221761	CATTAGAGCT	GAATTGCATT	AAAGTTGAGT	TGCTGCAGAA	GCTGTAGGTG	GCTTTCTATA
221821	TAAAAATCAT	TATAAAATCA	CTTTCCCATG	GATATGCAAG	TTTCCTCATG	GGAATCTCAA
221881	GGGGATTTGG	GCTCATCGCA	GGAATCATCT	CCTCCACTGC	CACTGGATTG	CTCATCAGTC
221941	AGGTTGGGTC	AGTTTATTGA	ACATCTTCAA	GTGGCAGGTA	TTGTTTTTAGG	TGTTGGAGAT
222001	ACACACGGTG	CTCTAAAGAT	CTGGATGGCA	ACACAATTAC	TCTATTTTACA	TGAGCCTCTA
222061	AATCAGACTC	TGGTAGGTCA	GATTTCCCAG	AGGAAGAAAA	ATATAAGCTT	ATTTTCTCAA
222121	GATGAATAGA	TGTTAGATTG	ATTAAAATGA	GCTGTTCCGG	TGCAGAAGAC	AGCACGTATG
222181	ACTTCCTAGA	GGTACATGAG	CATGAAACAG	TTCTTAGTTA	TGACCAGAAT	GAAAGACACA
222241	TGTCAAGGAA	TAGCAAGAGA	CGAAGACAGA	GGGGCAAAAG	AAGATCATGA	AGAATATGTT
222301	CAGACTAATC	CAATTTTTAA	AAAATCACAA	AAGGGAAACA	AAGTGTCTTA	GGCCAGTTTA
222361	AAGATAATTT	AATGTCTGGA	AACAGATCGG	CTGTGAGACA	TTGCAAGGAG	GCTTGCTCGG
222421	TGTTTGAAAA	TGCAGGCTCA	TGAGGAAGAT	GAAAAGACAG	ACCCAGGCAG	GGATGGAAGG
222481	ACTGACTAGA	ACCAACTTAC	AAAGAGAAGT	TTTGTTTTTA	CTACATTTCT	ATGTGATCAA
222541	GTTCCCAGGT	TAATATTTGA	CTAAACTGCT	AGGAATCCAC	TGTGACTATA	ATGCTGGAAA
222601	TGACTTAGTA	GGGCTTTCTG	AGGAGGGTCA	CACAGAAGAC	CAAAGAGAAC	TCATGTTGAA
222661	TTGAGATGGG	TTATAGTGAT	AGTTGTCAAC	AGCCAATACA	GAAACAAAAA	AAAACAAAAC
222721	AAACAGCAAC	AACAACAACA	ACAAAAAAA	AAAACAGAGA	AGACACAAAC	ACAATGCCAC
222781	AATGCCATTT	TAGGCATAAT	TTTAAATGAG	TAATATTATA	TGTTGAAATC	CAAATTTTCA
222841	GAAAAACAT	AGTGTATTTT	ATTTTGTGTT	AAAGAAATAA	CCATCTCAAC	TCAGAACCCC
222901	ATGTGCATTT	TGGCCATTTT	GTTTCCAATA	GTTTCATAAA	CTTTCTTAAG	TAACACTATG
222961	ACATTGTTCC	TTATATTCTT	TGTGATCAAC	ATTGCAATAC	ACAAGTGGGA	GGGCTACTAG
223021	AAGTGGTGTA	GAAGGAACTT	GTGAGATTGA	TCATTTTCTC	TGTTTTTTTAC	ATCTAGGATT
223081	TTGAGTCTGG	TTGGAGGAAT	GTCTTTTCTC	TGTCTGCTGC	AGTCAACATG	TTTGGCCTGG
223141	TCTTTTACCT	CACGTTTGGA	CAAGCAGAAC	TTCAAGACTG	GGCCAAAGAG	AGGACCTTAA
223201	CCCGCCTCTG	AGGACATAAA	GTTACAAACT	TAAATGTGGT	ACTGAGCATG	AACTTTTTTAA
223261	ACATTTTTTA	CTTCTCTCCA	TATTCCTGAC	CATAGACTCA	GCAGTTCTTA	ACTCTGGCTG
223321	TGTGTTAGTC	TTCCCTGGGG	AGCCTTTTAA	AGACACTGAT	ACTTGGGACC	CACTCCAGAG
223381	ATTCTGAATG	AATTGGTCTG	GGGTGGAACC	CAGATACTAC	TAATTTTTTAG	ATACTCCTTA

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223441	GAGGTTTCTA	GCATGCGCCC	GGGGTTGACA	ACAGCTGGAC	AAACTTGAAA	AGTCAATTCA
223501	TGTGGCCTTT	GAATTTTCCT	CATTGGAAAAG	TACTAAATAA	ATAAAAAATTC	ATGTGAAAAT
223561	GATCACTGAT	AAATATCTTC	ATGGTGGGGC	AGGTATATTGG	ATGCAGAGAA	GATCTGCTCG
223621	GAATTGTAGC	CATATGTTAC	AGATCTCAGC	ACCGATCAGA	ACTGTAAAGC	TATAATCCCC
223681	AGAATTAAAG	TTTTTATTAT	TTTTTATACA	TTGTAAAAACA	TAGACGTTTA	TTTATGTGAT
223741	TAAATTCTAT	TAAAAATTAC	ATGCTAAAAAT	AAAAATAGACC	ATTTTCAAAT	TATTTAGATC
223801	CAGATATTTT	CATCAGATTA	AACAGATATT	TATTTATCCT	AGCCCAATTG	CAAGAGATTA
223861	ATGATGAGAA	AATGACCAAT	ACAAGATTAA	ATAAATGAGG	TTAACTTAGA	AATCAAGGAC
223921	AGAGAAGATA	GAAC TGGAAG	GCTTGTATTG	TGAGAAGAAT	GAATGTGAAG	GAAGGCAATG
223981	TAGACACTTC	CAGAAGGGAT	AGCAATATAG	TTTAGACCAT	ATAATGAAAA	TTGGAGAGAG
224041	ATGACAGAGA	CACTTTCAAG	TGAAATGACA	ATTTATATGG	GGGAGAAAAA	TATTGAAGAC
224101	ATAACAAGAT	GAGAAAAGGC	ATAGAAATGT	ATCACATACA	AGGCATAGAA	GTGTATCACA
224161	TACAAGAGAA	GTTCCTTTTG	AGCGTAGAAA	AAGATAATTT	AACCTTCTTC	ATATTTTCT
224221	TACTTTCCCA	AGATACTCAG	ATAGGCAGCG	TCAACTCTAA	CAGGAATTAA	TTTGGCTCCT
224281	AACACTTAAG	ACATATCCTT	TAGTTTGTCT	CCTCACACAG	AACTGATTCT	GGTTTTGCCA
224341	CAACATGTCT	AGAGAAGAAG	TTCCCACCAT	ATTTTAAATC	CTATTAAAAA	ACTGCTTGGA
224401	CAAGAACCTT	GGGCTAATTC	AGCAGATGAA	GAGAATCTCC	TAATGCAAAT	CAATGGGTAT
224461	TTTTTGAGCAA	GTTTTTCAGA	AAAACAGAGT	GTCAGGCCCT	GAGGGTGATA	CTAAGATGAG
224521	AACATTGATT	TTGCCTTCAT	GATATTGACA	ACACAAAGAG	GAAAGGGGGT	TTGCAGAAAA
224581	CTAAAAGAAG	AAGTAGAAGA	AAAAAGAAAG	ACATAGTATA	ATAGGTAGTC	AAATTATGTA
224641	CAGAAAAAAG	AGGAAAAAAA	ACCAAAAAAG	GGTGGGGGAC	AGACAACCCA	ACTAAAAAAT
224701	GGGCCAATGA	CTTGAACAGG	GACTTCATAA	AAGAGAAAAAT	GTAAGTGGCT	CCTTAACATA
224761	TAAAAAGATG	TTCAACTTCA	TTAGTCATTA	CAGAAATGAA	AATCAAAAACT	ACAATGAAAT
224821	ACCACTATAA	AATTAACTAA	TGGATAAAAT	GAAAGGAGAT	GGAAAAACAAA	ATGTTGCCAG
224881	ACATGTGGAG	CAACTGGAAC	TTTCATACGT	TACGAATGTG	AACTTTGGAA	AGCTGCTCGG
224941	CAATATCTCC	TAAAGCTAAA	TGTACAATTC	CAGTGACTCA	GACATTTTAC	TTAGAAATGC
225001	ACATATACAT	CCATAAAACA	TGTACAACAA	TGTTTCATAGG	AGCACTATCT	GTAATAGCCT
225061	GAACAGGAAG	TTGTCTGTTA	AAAAAGAAAT	GAGTAAATAA	ACCACGGTCT	ATTTGTATAG
225121	CAATGAGAAT	TAACAGACCC	CAATATATAA	TAGATGAATG	GGTCTCATAA	GCACAATATT
225181	GATTAAAGGA	AGACAAAACG	CACATTCTTT	TAAAGGTTTA	TAAAAACTTT	TTTAAAAACA
225241	GCTACAACCA	ATCCGTCCTG	TTAAAAATCA	GTGAGCGATT	TCCCTTGTGC	AGGGATGGGG
225301	GTTGTGGCTG	GATGGATGGT	ACTTAAGAAG	TGCTCCTGGG	GTACTAGAAA	TATTTTATTT
225361	CTTGACTTGG	ATGTGTGTTT	ACTTTGTGAA	TATTGTACAT	TTATGATTTG	TGCACGTTTA
225421	TGAATGTAGA	AAATAAAACA	GAAAGCAAAT	TCAAAGTATC	ATCCTTTTGA	GAGCTTCTGC
225481	TCTGACTTCG	TTTTTGACCA	TGGAGCAGTT	GGGAAGGGGT	CTTGGTCCCT	CGGTCCCTTG
225541	CTTTTTTTTTT	TTTTTTTTTTTT	TTTTTAGACAG	AGTCTCACTC	TGTCGCCCCG	GCTGGAGTGC
225601	AGTGGCTCGA	TCCTTAGCTCA	CTGAAAGCTT	TGCCCTCCCG	GTTCATGCCA	TTCTCCTGCC
225661	TCAGCCTCCC	CAGTAGCTGG	GACTACAGGC	ACCTGCCACC	ATGCCCGGCT	AATTTTTTGT
225721	ATTTTTTAGT	AGAGACGGGG	TTTCACCATG	TTAGCCAGGA	TGGTCTCGAT	CTCCTGACCT
225781	CGTGATCCGC	CCACCTGAGC	CTCCCAAAGT	GCTGGGATTA	CAGGTGTGAG	CCACCGCGCC
225841	CGGCCCTTGG	TCCTCTGCTT	TCATGTTCTT	CTTGGTCCCT	TTCTCCTCCT	TCTTTTGTGG
225901	GAACCTCCAG	TATCAGAGCA	GGAAGGAAGG	CAATGGGTCA	ATCGATGCTG	TCAGCTTTTG
225961	GATCAAACATG	CAAGTTCTCA	AACAGCAAAA	TTAATGAGCT	CAGGCTTTGA	AGAAACCATG
226021	ACCCTGAAAG	CATCAGTTGC	TTCCAATTGC	ATCAGTTGCC	ACGGGTGATA	AGAACAAATG
226081	TGACTCAGAA	TGCCTAGGTT	TTCCCAGCAG	CTTCTCTGAG	GTTTTCCCAG	CAGCTTCTCT
226141	GATTGATTCC	TGACAGATGA	CTTCGGTGTG	TCAGACTTTC	AGGGTATCTT	TCCTTATGTG
226201	ATGGTTTGAG	GAAGAGTTAC	CATTCACATT	CCTAATGGCT	TCAGAATAGA	TGCAATTGTG
226261	AACTGATAGG	AAACATTTCT	AATTCATCTC	CCCTCCCCAT	CCCTAAAGGA	TTGTTTCTAA
226321	CAATAGTCAT	GAAAATTAAT	TCACTTTTCT	CAAATAGTTT	ATTGTATCTT	ACCTAATGAT
226381	GAGATGACTT	ACTTTTTTCT	CTTGACTGTT	AAATATTATG	AATTATATTA	ATGTATTTCT
226441	TAATGTTGAG	CTTTCCCTTG	AATATTCTTT	TGATGTACGA	CAGAATTTGA	TTCACTAATA
226501	GTTTATTTAG	GACTTTGGCT	GATGTACTGA	TATATGAGAT	TGGCTCTGTA	TGCATACATG
226561	TGTTTTGTGT	ATCTTTTTTTG	TGTCTGGATA	TGGAGCTTAT	GCTGATTTC	AAAACAAGAA
226621	AGGAGAACTT	TCCTTTTTTCC	CCATTACTCT	GAAAAAGATT	GACTAGAATG	GAATTTTTTAT

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226681	AATTGCTGTT	GTTATTTGAA	AGCTTGAAAG	CATTGGTTTG	TAAAAATCAT	GCAGGCTGAA
226741	AGCCATTTTG	AGGAGACTTT	GATAACTTTT	TCAATTTCCCT	TCAGTTACTG	GTCTTTTAAG
226801	GGGTTTTATA	TTTTTCTTTG	ATCAATTTTG	ACCATTTATG	TTATCTTGGA	GGATCATCTA
226861	TTTTACACAC	TATTTAAAGT	ATATTTGCAA	AAATTCAACT	GTTTTATCAG	GCTATCTTTT
226921	TAATAATATA	TTCATTTTAT	CTATATCTGA	GGTTTTAGCT	TCCTTGTA	TCTGACCCAA
226981	TTGCATGTGT	GCTTCTTTT	TCCTTCATTA	GACTACTTAG	TCATTTACTA	ATTTTAAGAA
227041	TAGCTTGTCT	TTTATTTATT	TACTTATTTA	TTTTTGAGAC	GGAGTCTCAC	TCTGTCAACC
227101	AGGCTGGAGT	GCAGTGGCGC	GATCTCGGCT	CACTGCAACC	TCCGCCTCCC	GGGTTCAAGT
227161	GATTCTCCTG	CCTCAGACTC	CCGAGTAGCT	GGGATTACAG	TCATGCACCA	CCATGTCTGG
227221	CTAATTTCTG	TATTTTTAAT	AGAGATGGGG	TTTTGCCATG	TTGGCCAAGC	TGGTCTCAAA
227281	CTCCTGACCT	TAGATGATCT	ACCCACCTTG	GCCTCCCAAA	GTGCTGGGAT	TACAGGCATG
227341	AGCCACTGCG	CCCAGCCCTG	CTTGTCTTTT	TATTTTATAT	TTGATTAGCT	TATCTTTTAA
227401	TCAAGCTTAT	GTCCTATTTT	CCTTTGCTTT	ACTTCATATA	AATTTTGT	TGGATAGTTT
227461	ATTTATTTTT	CATTTAATTA	TGAAACAGGT	TAAAGCTTAG	AGGAAAATTG	CTCCTCTAAG
227521	TCCACTTTTG	TGGGCAGATT	ACATTTTGCT	GTGTTGTGCT	CCCAAATTCA	TTGTTCTTTT
227581	AATGCTTTAT	TTCTCAAGTT	AATAACCTAT	ATAGTAAAAA	AGTGGCTGTT	GACTCTCAGC
227641	TTTTTTTTTTT	TTTTTTTTTTT	TTTTTTTTGTA	GATACAGGGA	TCTTGCTGTG	TTGCTCAGGC
227701	TGGTCTGAAA	CTCCTGGCTT	CAAGGGATCC	TCCTGCCTTG	GTCTCACAAA	ATGCTGGGAT
227761	GACAGACATG	AGACACCATG	CCCAGCCATG	TCTCTCTCCT	TATATATAAT	AAGAAAACAG
227821	ACACACTGAG	GCATCCTATC	ATCTCACTCT	TGGTTTCACT	ACTGTTCTCT	GGAAGTTTGT
227881	CTCTGACCTT	TTGCAGTTAA	TGTATTAATT	TTGCATTGAG	TAGTTTCCAT	AGAAGAATTA
227941	TAGCATTTGC	ATTCTGTTGG	GTATTATACT	TTTCACTGTT	ATTTGAACAT	AATTTGAGGG
228001	CTGAAACCAA	GATGAGGCAA	GTGAGGTGCC	CAGGAAGCAA	TATTTAAGGA	GGCATCCTTT
228061	CTTAGGCTCA	TGCAAGAACA	GAATTGGCAC	ATGAGAGTGA	GTGCCTCCTT	AATTTTGAGT
228121	GCTGGACACT	TCTTGCTCAC	TTAGCATACC	CCTGGACAAT	GAAGTGT	TTGTTTGT
228181	TTTTCATGTC	CATCCTTTAT	CCTTCTTCAT	CTCAAAACAT	TTCAATGGAG	TATTTTTTTG
228241	GAGCAGTACT	TGGATGAGCC	CTTGATCCC	ACAGTAGCTG	AGAATTTATT	TCATAGTACT
228301	CTTTATGATC	ACTGTGGAGC	CTTAAAAACAT	TGTAATATTA	ACTTAGCTGG	GAACAGAAAT
228361	TTTGTTCAC	AATTTGTCTT	ATTCAGAACA	GTATTGACTT	CCTGCTAGTC	CCTTGTATG
228421	TCCAATATGA	GGAAGCTAG	TTAGCCAGCT	ACTTTTTGTA	GGAGAGCTAT	GTTTAGGCTA
228481	GGTGCTATAG	GATTCTCTTT	ATCCTGGAAT	TCCTTCACCA	AGATGTGCCA	AGGTGTTAAT
228541	CATTTTCTCT	TGCTTTTTTG	CTGGTGGTCT	TAGAGTTTCC	TTCGATTTTG	TTTTATTTAG
228601	TGATTGTCCT	CAATTTGTTT	TCTTTACTAA	GAATCTCTCT	TCTATTTATC	TGTATGGTAA
228661	AACCTTGTTG	CCCATCTTTC	TGGTTTCTGC	TGACTTTCAT	TTTTGGACCT	TTTACTTTGC
228721	TTTCTCCAATG	GACTTTTTTG	TAGTGGAGGC	AGGCAAACAC	TTTCCAAAGT	CTTTCTCAAT
228781	TTCCATCAAT	TTCAACTTAT	TTCTTAAAT	TGCCTCAGAA	TGTGCCTATG	TCCACAATAT
228841	CCCTCCTTCC	ACTTTAGAAA	GGAAAGGCAT	CCACACTTTA	TTTAGGTGCA	ATGCCTGAAG
228901	TGTAAACACT	TTCTGGTTGT	CAACAAAGGA	GTACTTCCAA	ATATTGGTTT	GGGGATAACC
228961	TGCTAATGAT	TAACACATTC	ACCTTGGCTC	TTGGTTTGCC	TGCTCCCTCT	TCTTTTATCT
229021	GCTGTGTGTA	TTTTTTTTTAA	TCAGTGAGAA	TATGCACAGT	ATTGTATGTT	TTATTATAAG
229081	AGAGGACTGG	CCAGAGTGGG	AATGTTCTGA	ATTCAGAATA	ACTGAAGCAG	TACAGGATAG
229141	GAATCATTC	TTTCAAATGA	AGCTGGCATA	TTTTCCCAGA	GCACCAAATT	TCAATATATA
229201	TTTAAAAAAC	TTGATATGAA	TGATACAATA	AAGTGGTTAG	AACTTTTATT	AAAATAAACT
229261	TATGTCATGA	AATACTTATT	CTAATTATAG	TCAGTCTTCA	TCTTATTTCA	TCTTATAACA
229321	TGTTTAATGT	TTTCTTTTAT	TTACAAAACA	ATTTATTTTT	TGATGAAAAG	TTTTAGAAAT
229381	CAAGTTAAAA	ATATTCAAAG	GAATGCCTAA	AGTTTTCAAA	ATTCTTTTAC	ATGTTGTACA
229441	ATCAAAAGAG	TCTGAAGACC	ATTTAGCTAT	CCAAATTGTT	TATTTTTAAG	CAGTATCCCT
229501	TCTAATATTT	ACTATTTATA	ATCCTTAAAA	ATTTGCCTTA	GCACAGGAGA	ATTGCTTGAA
229561	CCCAGGAGAC	GGAGGTTGCA	GTGAGCCAAC	ACAGTGCCAC	TGCCCTCCAG	CCTCGGCGAC
229621	AGAGTGAGAC	TCTGTCTCAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAGGCC	AAAAACAAAT
229681	AAACAAACAA	AAAAATCCGC	CTTAACATTA	TTTGTTTATT	AAAAACTTTC	TTTAATACTA
229741	CTAGTTTCCC	TTTCTCTCTA	GCCCATTGTC	ATATTTTGAT	TTTTATCACT	TGCTTTGTAG
229801	GACATATGAG	GTTTTTGT	TTTTTTTTTT	TTGGAGATGC	AGTCTCCCTC	TGTTGCCCGT
229861	GCTGGAGTGC	AATGGCGCAA	TCTTGGCTCA	CTGCAACCTC	TGCCTCCTGG	GTTCAAGCAA

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229921	TTCTCCTGCC	TCAGCCTTCC	AAGTAGCTGG	GATTACAGGC	ACCCACTACC	ACGCCTGGCT
229981	AATTTTTGTGTA	TTTCTGGTAG	AGACGGGGTT	TCACCATGTT	GGCCAGGCTG	GTCTCGAACT
230041	CCTGACCTCA	AGTGATCCAC	AATCCTTGGC	CTCCCAAAGT	GCTATGATTA	CAAGCATGAG
230101	CCACCTGCCC	AGCCAGAATA	TATGTTTATT	TTGAGTCCTT	TAACAAAGTC	ATAAGAAATTT
230161	TAGGAATTCA	GTTACTTTCT	TGAGAAAATC	TCTGAAAAGA	TGCCAATAAT	TTGTAGCCAA
230221	TTATATTGAT	TTCTCTTTTT	CATATTGAGA	ATTGTTTTTT	AAAAAGTTTG	TATGTGTGAA
230281	GATTTTTGCA	CTGTAGTTAA	AGAAACCACC	TGTGTGTTGG	TTAAGCCATA	AGTACATGTA
230341	TTCAAATAAA	TTGAGGTGGG	GTTACTCTGA	GAATCAAAGG	AAAACCTGAA	GAAACAGGCA
230401	GCCTCAAAAG	GTCTTAGCTG	TAGCAACTTG	CTCCATTGTT	GAAATAAATA	GGCTTGAACT
230461	TGTATTTTCC	CTCTACTCAA	CATTTAAGGT	CTCAGAAGAT	AATATAATTG	GTGAAATTTA
230521	AGTAAAGTGC	TCACTCTTTT	GCTTTAACA	ACCCTAGAGA	GCTGGTAGGC	AGAGCCTCAA
230581	CAGACCGTTT	TAGCTTCCAA	AGGGAGTTCA	GGACACCATG	ATTACGACC	ACAATACATC
230641	ACACATAATT	GAGAAAAGAT	AGTTCCACCA	AATAAAGTTG	AAATGCTGAC	AAGAAGGGGT
230701	AAGAAATCTT	GGAAATAGGT	TTATATAAAA	TTTTATTTTT	CCTTTTTTAT	TGTTATGGAA
230761	TAGGACCAGT	TCTACTTAAG	CCACCCATTT	GCCAAAATAA	AGTGAGAATC	GTTTCTTTTG
230821	GGGACTCCTC	TTTGTAGCTC	CAAGTGCCAC	TAACAATTCT	TAGGACCTGA	GCTATAAGCC
230881	AGGTGATTTT	AGTTAATATG	ATCAATTATT	TCATTTAAAT	GGCTCTAATG	TGCAGAGGGA
230941	ACGGAGCCCA	TCAGCATTCC	CTGCAGGGAA	CTGCAGTGGC	TTTTATCAAC	TTGAACAGCT
231001	AGCTTTCAAC	TGTTTTGAAA	TCACTTTCAG	GGTGGTCATG	TAGTTGCTTT	TTTGAAATCA
231061	GAAGATGATT	CTGCCTCTTT	TAATATGTGA	CTCCTCAGAT	TCAGAAAGTG	CTCGCTAGTC
231121	TTAAGAGTGA	ATTACCCCTCA	GTGGTCCAGC	GCTTATGAAC	CCACATCTAA	CCCTATCCCC
231181	TGGGGGAACT	ATCAGAGAAA	TTGGTGCCAT	GGACATAAGA	GGAAGGCACA	GTGAAGCAGA
231241	GAGCCCCGCA	TGATGAAAAT	CAGTGGACAG	CATCATTATT	TACAACTTTG	TAATCACCCA
231301	GGAGCATGAA	AATCCAGGCC	AATCTGGCAC	CATGAGCTCT	AATTTTTGTT	GGAGTTCTTG
231361	GAACCGATTG	TGATGAATGA	CTGTTTAGCC	ATTTTAGAGT	GTGGCATACG	TGGCTGCTGG
231421	CATACAGAGG	TTGGATGTAA	ACGGGCCTTT	GCCCTCTCTT	ATGAACATAG	ACAGGAACTA
231481	AATCTGTGCA	CATAGGTTCC	AAATGGTGGC	CTGAATACTA	TTTACAATA	AGGTACAATG
231541	AAATTGAGTA	AGTCTTTTCC	TCTTTTGCAG	ATACCATCAT	TATTCATATA	TTTCTTCAAA
231601	GTTAACTATT	TGTATTTGGT	AATTTTTAAT	AGAAATGTAA	TAATTGCTTC	TCAAGTTTAG
231661	TCTTTAGTCT	TAAGGTTGAT	GCTCTCCATG	TCCTTCCAAA	AAAAGGTATG	TTGCTTTTAT
231721	TATATCCTCG	CCTTCAGATG	GGATTATTCC	ATTTTGTCTT	TTGTTAATAT	ATACTTTGAG
231781	CCACTTTTTT	TGTGGCTCTG	GGTGAGATGC	TATAGGTACA	ATGACAAGTG	ATACGTGTGT
231841	TGTCCCTGTC	ACAAAAGTGG	ATAGCCTAAG	TGGTGACTTT	TACCTCCACT	CCAAATATAT
231901	GTATCACACA	CCAGCCGTAT	GCCAGGCACC	ACTCTAGGTG	CTAGGGATAC	AGCAGTAAAC
231961	AGACAAATGC	AACCCCTGCC	CATGTGAAAG	AGAATAAGAC	AATAAATAAG	TAAAGTGCAT
232021	GTTATATGGA	GGTGGCAAAT	GCTAAAAAGA	AAAATTAAGC	AGGCAAGAGG	ACTCATTGAA
232081	AAGATGACAT	TTGGGTAAAA	GCCCATGTAT	ATATGTTCTA	TTGGTTTTAT	TTCTCTGGAG
232141	AGCCCTGACT	AATACACAAT	GACTTTGAGA	AGTTACTGGC	TTTTGATTTA	TCACACTATT
232201	CGGAGTGCTG	AGAGCCTTCT	TAGTGTGTAT	TCAGTGTTTT	AAGAGAGCTT	GTGGATGAAT
232261	AATAAATAGG	ACAAAATTTA	TCCAAACTTA	AGCCTTGCTT	TAGGTAAAAG	GGCTCCTCTT
232321	ACAAGGTAGA	AGGTTATTAT	TTGACATTTA	AATCCAACTG	AAGACTAATA	AGACTAATTA
232381	ATTAAAAGTT	TTTAAATCAC	AACTGCGTGC	AAAATAAATG	GAACTGCCAT	GCTCGCCAAG
232441	TGTGCATGAG	TGGTGTGCAT	GGGAGACAGC	ACGAAGCTAA	TCCCCTCAT	CTTGCAAGTT
232501	GCTCCATTTT	TCTCCTAAAA	TCAGTAAGAC	AGAAGCTGGT	CAGATTATCA	AGAGCCCTAG
232561	TTAAACACAG	CAGTAGCATT	TGGAAGGGGT	TGCTCTCATT	AGGCAGTGCC	TGACCACAAC
232621	AAGAGATGAA	CAAGCCCTGT	ATCTGAAGCC	ATCATGCCTA	GTTATGGTTC	CCGACTGTTT
232681	ATGATGCCTG	GAAAGGAGGC	CCCCTGCACC	CTAGAAAGCT	GGGTGGGTTT	TACTGTCTGC
232741	TTTACTGCTA	AAAACCTCTT	TCTTTGGATC	TGGACTTTAC	CTCTATCTGA	TTTTTTTTTTC
232801	TAATATATGA	TTTGGCACTG	AGTCTGTCAC	TGCTGCTAAC	TCAGCAGTTC	TAGGGTCATT
232861	GCCCCATTGC	CTCACAGAAA	GAATTTTATA	GCTTCCAGCA	TCCTCTCTCC	TTCATTATAC
232921	TTTGATTTCA	GCATTGCTAT	TTTTTCTCTT	GGGTGTTGCA	GCTCTCTCTC	TCCTTCCCAT
232981	GTCTTGTTGG	TTTTCTGCTA	ACTCCTGCTT	TTTTTCTTTT	TTTTTTTTTTG	AGACGGAGTC
233041	TCGTTCTGTC	ACCCAGGCTG	GAGTGCAGTG	GCACAATCTC	GGCTCACTGC	AACCTCCGCC
233101	TCCCGGGTTC	AAGCTATTCT	CCTGCCTCAG	CCTCCCAAGT	AGCTGGGACT	ACAGGCGCTC

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233161	ACCACTATGC	CCCACTAATT	TTTGTATTTT	TAGTATTGCT	GTCATCAATC	CACATGTCCA
233221	GAAGCACCTA	GAAACTCTAA	TTCTTTGTAG	GTATCAAACC	CTAGGACTCT	TTCTCTAAT
233281	CACAATATAT	AATCCCTGAT	TCCCAAACAC	GGTCTTTTCA	TATACATTTT	CCACTGTACA
233341	TACTTTCTGA	CCTGGAAAGC	TCTTACACAA	ACACGCCCTC	CCCTAGGAAG	CCTTTATAAA
233401	TGTTCCCAGG	AAGAATCAGT	CACCCAACAG	TGTCCTTGTC	ACATCTTAGG	TTCTACACCT
233461	TTATTTGTTC	TATCTGAATG	TAATCTCCCA	GAGGGTGTTA	TCATCTTTTT	TTTTGAGATG
233521	GAGTCTTGCT	TTGCTGCCCC	GGCTGGAGTG	CAGTGGCATG	ATCTCGGCTC	ACAGCAACCT
233581	CCACCTCCTG	GGTTCAAGTG	ATTCTCCTGC	CTCAGCCTCC	TGAGTAGCTG	GGATTACAGA
233641	CGTGTGTCAC	CACACCTGGC	TAATTTTTGT	ATTTTTTAGTA	GAGACAGGGT	TTCACCGTGT
233701	TGGCAAGGCT	TTCCCTCGAAC	TCCCAAACCT	AGGTGATCCA	CCCACCTCAG	CCTCCCAAAG
233761	TGCTGGGATT	ACAGGTGTGA	GCCACCATTG	CCAGCCCCAT	CTTTTTCTTT	TAGTTTAGTT
233821	CTTAACAAAT	AGTCTGACAC	AAAGTGGATA	TAACAATATT	TTGAATTATG	AATAACTAAA
233881	TGAATATTTT	CAGATTTTCCT	GGTGCCTCTCA	AAGTTTTTATG	TTACAAAAGA	AAAACAAGTC
233941	TAAATACCT	GCCTCAAGTT	TTTATCTGTA	CTATGATTTT	AAACCAAATA	AAAAACAGGT
234001	GGGGTAAAAA	CTGAAACAGG	AAATACATAT	AACTGAAAAA	TTTTGGTATG	TTAGTATGAT
234061	AATACTAGGT	CATTTTTTCCT	GTTTCCCCAA	CTTCATTTTC	TATAGCAATA	AAAAAGAAACA
234121	AGTAAATGTA	TGTTAATTTA	ATTTAAAAGA	AGTAGTCTAC	CATCTCTTCT	GTTAAAAAGA
234181	AAAAAGTATT	TTAAAAAATT	ATCTCTGGAA	GGATACACAG	GGAACATTGC	TCTGGTTTCT
234241	TCCAAGAGAG	AAATGAGGAA	CTAGAGAGCA	TGGCCAAGTG	GGGTTTTGCT	TTTGTTTTTG
234301	TTTGTCTATC	TGTTAGCTTT	TTATTATTTT	CTTTTGTTAGG	TTTGAATTTT	AAACCACATA
234361	AATCTGTTAC	ATGCTCATAA	TAATAAGTTT	AAAATAAAAAC	TTTTGGCTGG	GTGCAATGAC
234421	TTACACCTGT	AATCCCAGCG	CTTTGGGAAG	CAGAGGTGGG	AGGATACTTG	AGGCCAGGAA
234481	TTTGAGATCA	GCCTGGGCAA	CATAGTGAGA	CCCTGCCTCT	GTAGAAATAA	ACAAAAATTA
234541	GCTGGATATG	GTGGTGCATG	CTTGTACTCC	TAGCTACTTG	GGAGGTTGAG	GCAGGAGGAT
234601	CCTTTGAGTC	CAGGAGTTTG	AGGCTGCAGT	GAGCTATAAT	CACCCACTGC	ACTATAGCAT
234661	GGGCAATAAG	GTGAGAACTT	GTCTCAAAAA	AAAAAGGGGG	GGGGGAAACA	AATAAATAAA
234721	TATAAACAAA	ACTTTTGTTT	CAAAATATGT	AATATTTAGC	ACTAAAGAAT	TCTGAATTGT
234781	AGAGCTAAAA	AGTACTTAAA	AGTTAATAAC	TATTGTCTCC	TTTAAAAGAA	TTGTTATCAA
234841	AGTATAATTT	TTATCCAGAA	AATCATCCAT	ATCAGCAAGC	TAAACTTTCT	CAAAATGACA
234901	TATCCATGTA	ATTAGCTCCC	AGGTAATTAG	CAGGCAGCCT	CTACTCAGGT	TGAGTATTCC
234961	TAATCTAAAA	ATTGGAAATT	CAAAATGCTC	CAAAATCTGC	AACTTTTTGA	ATGCTAACAT
235021	GATTCTCAAA	GGAGTGCTCA	TGGAGTATTT	CAGATTTTGG	ATTTTTGGAT	TTGAGATACT
235081	CAGTATAATG	CAAACATTCC	AAATCTGAAA	AAATCTGAAA	TACTTCTGGT	TCTAAGCATA
235141	AGGGATACTC	AACGTGTGTT	AGCTAATTAG	ACCCTTCATG	GTCTCTTCTA	GACCTCAGCT
235201	TCTTCAAGGT	AACCTCTATC	CTCACTTCTA	ATAGCATGAA	CTTTTCTGTT	TTAGAATAAT
235261	TTGGATTTTC	AGGAAAGTTG	CAAAGATAGT	ACAAAGACAG	TACAGGAGAG	TTCCCATATA
235321	TCTTTACCTT	AGCTTTCCCC	CATTGTTAGG	ATTTTACATT	ATTATGATAC	ATTTGTCAAA
235381	TATAAGCAAC	TCACATTGAT	ACATGAAACT	CTATTAACCA	AACCCTAGAC	TTTATGTGGA
235441	TTTCACCACT	GTTTCCACTA	ATGTTTTCTT	TCTGTTCCAA	GGTCCAATCT	GGAATACCAC
235501	ACTGCATTTT	CTTGTCATAT	CTCCCTAGTC	TTTTTTTGTC	TGTGACAAATG	TCTCAGTCTT
235561	TTCTTGCTTT	TCATGACCTT	AACAGTCCTG	AAGATCATTT	GCTTTTTTTT	CATAATTACA
235621	CCGGAGTTAT	AGATTTTTTTG	AAATAATACC	ACAAGGGCAA	AGGGCCCTTC	TTGTACATC
235681	ATTTTAGGGA	GAACATGATA	TCCACATGAC	ATCACTGATA	TTAACCTTCA	TCATGTGGTT
235741	TAGGAATATG	TTCAGGTTTC	TCTACTGCAA	AGTGATTTTT	TTCCCTTAAT	TTAGCCCACC
235801	TGAACCTATC	AATTTTGTTT	TCTTCCATGA	CTAATACTTT	TGTTATTATA	GCTAAAACCT
235861	CATTGGGGCC	AAATCTTAGA	TCATGTAAAT	TTTCTTCTAT	ATTTTATTCT	AAAAGCTTGT
235921	AATGTTTGAT	ACATTCTAAA	AGATGTAATG	TTTGATACAT	TACATCTAGT	CCTTTGATTT
235981	ATTTTGTAGT	ACTTTTGTAT	AAGGTGTGAG	AGATGTCTCC	AGTTTCACTT	TATTAACACA
236041	TTGTGGTGT	CCAGTACTAT	TTGTGCTAA	GACTATCTTT	TTTCCATTGA	TTACCTTTGC
236101	CTTAGTTGGC	AATATTTTTG	TTGGTTTATT	TCTAGACTGT	TTATCTCATT	CCACTGATTT
236161	GTGTCTATCT	TTTTTGACAAA	ACTGTTGATT	ACAGTAAGCT	TTGAAATAGT	TCATTTTTTG
236221	TGTCAACTTG	ACTGAGTCAG	GGGATAACCA	GCTATCTGGT	TAAACATTAT	TTCTGGCTGT
236281	GTTTGTGAGC	GTGTTTCTGG	ATGAGATTAG	CCTTTGAATA	GGTGATCCTA	GTAAGATAAA
236341	CTGTCTTTCC	CAGTGTGGAT	GGCATTATGC	CACCTGATAT	TCAGGGTCTG	AATAGAAGAA

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236401 AAGGCAGAGG AAGGGGGAAT TTGGGCCTTT TTTTCTGCCT CACTGCTTGA GCTGGGACAT
236461 CTCATCTGGT CTCCTGCTCT TGAAGTGGGA TTTACATCAT CAGTTCCTCT GGTTCCTCAGG
236521 CCTTCAGATT CAGACTGAAT CATACCACCA GCTTTCCTGG GTCTCCAGCT TGCAGATTAC
236581 AGATCATGGG ACTCCTCATC TTCCATAAAT GCATGAGCCA ATTCAGTCTA TGTCTTGAA
236641 AACTGCCCCA CTGCAGATTA AGGCTTTTTT CCACTAGGTG AAATAAAGAA GCTTGTTAGA
236701 CAGATTTCCT TTCATCCAGT GCCCTCTCCT CTTTAAGTTA CAACACATTG GCTACACCTA
236761 AGTGCAGGGG TGGGGATGAG GGTATAGTCC TCTTGTTTGC TGAGAAGAGA ACTGTATTGG
236821 GAAAGCTCTA GAAGTGTTTG ATACATACAT AAACAAGGCA TGGTTTTTGC ACTTAATTTT
236881 ACATTACATT TTTCCCAGAA AAAAAGGAAT GTATAGGCAT CACGTAAGT TACTAGCTGG
236941 AGTCATTCTT CCTGATTATC AAAGGTAAAC AGTTATTAAT CCTATACCA GATGTCAAGG
237001 AGAAGTACTT TTGGAACACA AGGAATTCTC TGGGAGTCCT TACTACTCTC AAGCCCAGTG
237061 AAAAAGTTAA TGAAAAACTA TAGTACCTTC CTATAAGCTG GATGACTAAT TACCAGGCTC
237121 ATTTAGGAAT TTGCCTTACC AAGTAAAAACA TAAGGGCAGC TGAGGTGCTG ACTGAAGACA
237181 AATGGAGCAT AGAATAAGAG TAGTAAAGAA TGCCAAAAAT GCTGTCATGT ATCCATTGAC
237241 AAAAGGAGCT ATAAAGCCTT TAGGTATTTT CACACTTGCT CTGTTACGTA AATGTATGTG
237301 TGTGTGTGTG TGTGTGTGTG TGTGTG
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**Figure 2** (Page 74 of 74)

**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **POLYMORPHISMS IN THE REGION OF THE HUMAN HEMOCHROMATOSIS GENE** the specification of which \_\_\_ is attached hereto or  X  was filed on \_\_\_\_\_ as Application No. \_\_\_ and was amended on \_\_\_ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

**Prior Foreign Application(s)**

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes _ No _
			Yes _ No _

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
08/724,394	10/01/96	_ Patented <u> X </u> Pending _ Abandoned
08/652,265	05/23/96	_ Patented <u> X </u> Pending _ Abandoned
08/630,912	04/04/96	_ Patented <u> X </u> Pending _ Abandoned

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

**Renee A. Fitts, Reg. No. 35,136**  
**William M. Smith, Reg. No. 30,223**  
**James M. Heslin, Reg. No. 29,541**  
**Joe Liebeschuetz, Reg. No. 37,505**  
**John R. Storella, Reg. No. 32,944**

Send Correspondence to:  <b>Renee A. Fitts, Esq.</b> <b>TOWNSEND and TOWNSEND and CREW LLP</b> <b>Two Embarcadero Center, 8th Floor</b> <b>San Francisco, CA 94111-3834</b>	Direct Telephone Calls to: (Name, Reg. No., Telephone No.)  <b>Name: Renee A. Fitts, Esq.</b> <b>Reg. No.: 35,136</b> <b>Telephone: (415) 326-2400</b>
--	---

Full Name of Inventor 1	Last Name <b>Ruddy</b>	First Name <b>David</b>	Middle Name or Initial <b>A.</b>	
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I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 4  <b>David A. Ruddy</b>	Signature of Inventor 5  <b>Roger K. Wolff</b>
Date	Date



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APPLICATION NUMBER: 08/852,495

**Total Fee Calculation**

Fee Code	Total # Claims	Number Extra	X	Fee	Fee =	Total
Sm./Lg.				Sm. Entity	Lg. Entity	
Basic Filing Fee	<u>201/101</u>				<u>770</u>	<u>770</u>
Total Claims >20	<u>203/103</u>	<u>28</u>	-20 = <u>8</u>	X	<u>22</u>	<u>176</u>
Independent Claims >3	<u>202/102</u>	<u>6</u>	-3 = <u>3</u>	X	<u>80</u>	<u>240</u>
Mult. Dep Claim Present	<u>204/104</u>					
Surcharge	<u>205/105</u>				<u>130</u>	<u>130</u>
English Translation	<u>139</u>					
<b><u>TOTAL FEE CALCULATION</u></b>						<u>1,316</u>

Fees due upon filing the application:

Total Filing Fees Due = \$ 1,316

Less Filing Fees Submitted - \$       

BALANCE DUE = \$ 1,316

M. H. Can Van  
Office of Initial Patent Examination